

MIT

Academy of
Engineering

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)



AJAAN
VRIKSHA

'25

"Zero to Infinity"



MIT Academy of Engineering

An Autonomous Institute affiliated to Savitribai Phule Pune University

Id No.PU/PN/ENGG/134/1999 Accredited by NACC with A grade & by NBA for six UG programs

An ISO 21001:2018 Certified Institute



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"Zero to Infinity"

"Every infinite journey begins with a single zero, a moment of courage to begin."

Every great achievement starts with a Zero, a blank page filled with possibilities, a new idea waiting to take shape, and the first step taken into MITAOE with dreams, curiosity, and hope. Zero represents the beginning of every student's story, a phase of learning, self discovery, and quiet determination. It is the moment where potential exists, even before success is visible.

Within the nurturing environment of MITAOE, this Zero does not remain static. It evolves. Through guidance, experiences, challenges, friendships, and relentless effort, students transform their humble beginnings into something limitless. This journey reflects the true spirit of growth, where roots remain strong like the Ajaanvriksha, grounding us in values, culture, and knowledge, while our aspirations stretch endlessly toward the sky.

"Zero to Infinity" is more than a theme; it is the emotional journey of every learner who dares to dream big. It captures the struggles that shape character, the failures that teach resilience, and the victories that inspire confidence. From uncertainty to clarity, from effort to excellence, this theme symbolizes the continuous expansion of human potential.

As we turn these pages, we celebrate transformation, the power of beginnings and the beauty of limitless progress. Zero marks where we start, but Infinity defines what we can become. Through this magazine, Ajaanvriksha honors every step of that journey, a story of growth, ambition, perseverance, and boundless success.

President



The
Origin of Peace And Serenity
AjaanVriksha

ALANDI (DEVACHI), PUNE

About Us

AjaanVriksha is the official magazine of MIT Academy of Engineering (MITAOE), established in 2014 as a creative platform for students to express ideas, showcase talents, and share stories that reflect campus life. The magazine brings together voices from diverse backgrounds through content published in Hindi, English, and Marathi, creating an inclusive space for creativity, expression, and intellectual growth. Alongside written features, AjaanVriksha also highlights art and photography, encouraging visual storytelling and creative exploration.

The name AjaanVriksha draws inspiration from the sacred fig tree, believed to symbolize wisdom, meditation, and eternity. Rooted in this philosophy, the magazine represents growth, enlightenment, and the continuous pursuit of knowledge. Through each edition, the AjaanVriksha team captures significant events, student achievements, faculty contributions, and the vibrant culture of MITAOE, preserving memories while celebrating progress.

Over the years, AjaanVriksha has evolved into a meaningful platform that connects both technical and non technical communities within the institution. With more than ten successful editions published, each revolving around a unique theme, the magazine reflects the creativity, innovation, and passion of its contributors. Every issue stands as a testament to the collective effort of students who strive to tell stories that inspire, inform, and resonate.

At its core, AjaanVriksha is driven by values of leadership, unity, diversity, and inclusivity. The team functions like a close knit family, where every member plays a vital role in shaping the magazine's vision and success. This spirit of collaboration, dedication, and creative freedom enables the magazine to grow stronger with each passing year.

AjaanVriksha also carries forward the legacy of Dr. Vishwanath Karad's vision of education that blends knowledge, spirituality, and social responsibility. As a part of this inspiring journey, the magazine continues to embody the ideals of enlightenment, creativity, and service, contributing positively to the academic and cultural life of the institution.

Our Legacy

AjaanVriksha' is the official cultural magazine of MITAOE. Since its inaugural year it has been the face of the institution. The magazine has always been at the forefront of glory and has maintained its dignity throughout these year. When the little creative minds are pricked and praised, these erupt like a volcano where from flows the creative wonders. Ajaanvriksha is a wonderful platform for young potential ones to showcase their talent and express themselves into a conglomeration. A team of creative individuals whose diligent efforts make sure that the legacy continues beyond time. The magazine performs extraordinarily good every year because of the devotion, team spirit and the hard work. Some of the achievements which have defined the work of this team are:



Our Achievement



- Won Second Prize in the Best Magazine Competition by SPPU (2015–16) for “Being the Beacon”

- Honored with the Best Professional College Magazine Award by SPPU (2016–17) for “Broken Castle”

- Stood First at Pratibha Sangam, a State Level Literary Competition

- Honored with the Best Professional College Magazine Award by SPPU (2017–18) for “Rising from the Ashes”

- Honored with the Best Professional College Magazine Award by SPPU (2018–19) for “Roll Up Your Sleeves”

- Honored with the Best Professional College Magazine Award by SPPU (2019–20) for “Ad Astra Per Aspera”

- Won Second Prize in the Best Magazine Competition by SPPU (2022–23) for “Elucidate”





TEAM

AjaanVriksha

YEAR 2024-2025



President
Gopal Mankar



Vice President
Ankit Gaikwad



Design Member
Harsh Mandal



Design Member
Shreeya Phulari



Design Member
Sarvesh Bhalerao



Social Media
Harshada Thakur



Management
Shrawani Mapari



Marathi Head
Ajinkya Gavhane



English Head
Nayna Mahajan





MITAOE AjaanVriksha

YEAR 2024-2025



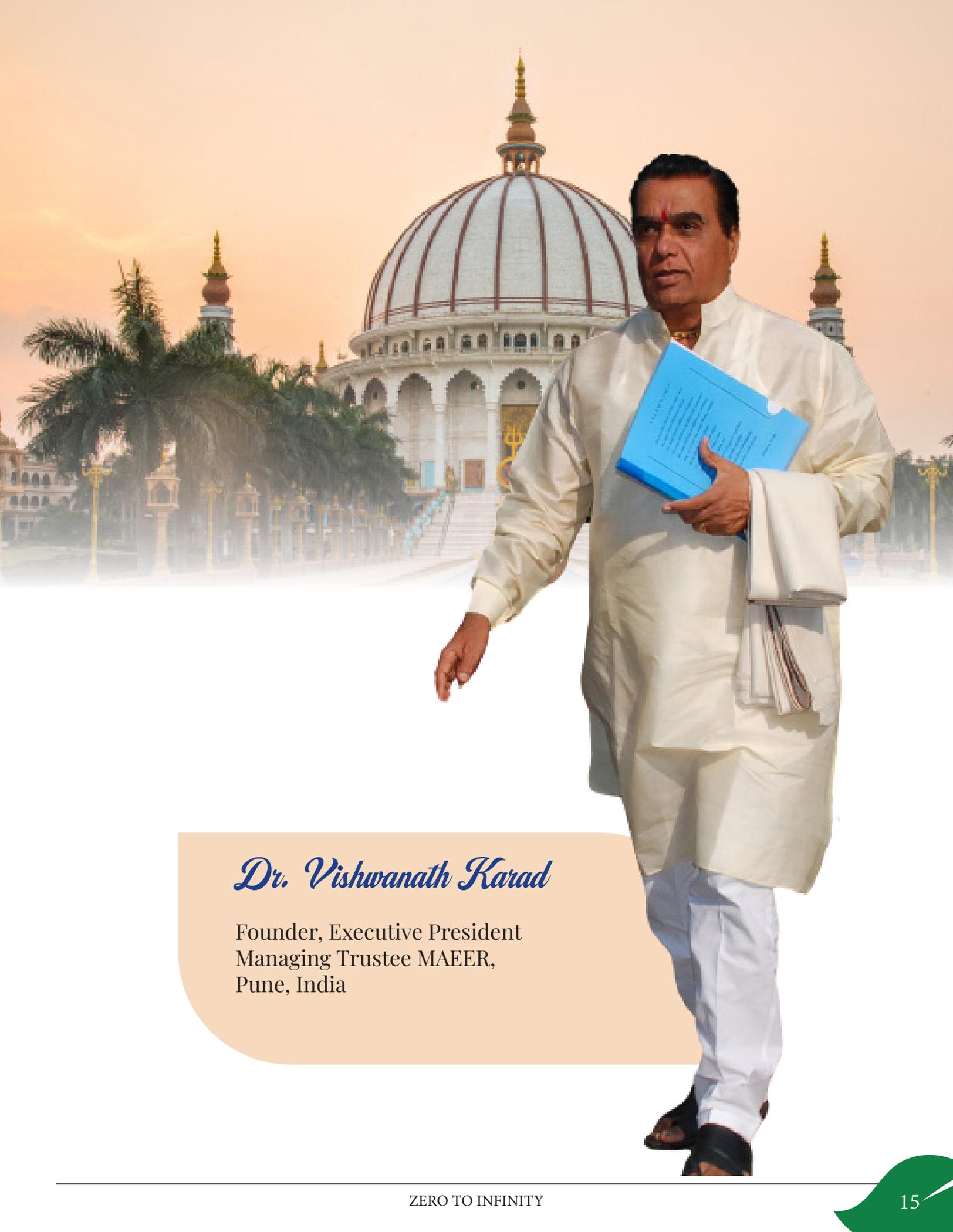
Our Inspiration

**A Star in the dark sky glittered with might
To show a path to that tender boy in sight
Who walked through the darkest woods
From his home to school, in the agonizing floods
Those days in the darkness and agony only
inspired him
Neither he deterred nor daunted by those
circumstances grim**

**He kept on marching towards the sunshine
With his vision to touch the steep Alpine
Harmony and peace was the vision
And education for all and all for education, his mission
He explored and followed the path of spirituality
And worked for the social upliftment with
utmost humility**

**He strove for communal and global unity
And empowered the youth and their integrity
To illumine the future of his nation
And to inculcate the sense of fraternity in this divine
creation**

By Amit C. Hiray



Dr. Vishwanath Karad

Founder, Executive President
Managing Trustee MAEER,
Pune, India



“Education must unite science and spirituality to build not only successful careers, but peaceful human beings.”

— Dr. Vishwanath Karad

Only a few individuals possess the rare ability to envision the unseen and transform dreams into reality. Such leaders are driven by unwavering determination, patience, and resilience, even in the face of immense challenges. Dr. Vishwanath Karad stands as a remarkable example of this spirit.

Blessed with wisdom, humility, and a deeply positive outlook, Dr. Karad's life reflects integrity and compassion. His early hardships shaped his understanding of society and strengthened his commitment to education, spirituality, and social welfare. These experiences inspired him to dedicate his life to creating opportunities for young minds and contributing to a better world.

During his formative years, Dr. Karad recognized a major challenge facing Maharashtra, the lack of access to quality technical education. At a time when only a few government engineering colleges existed, thousands of deserving students were deprived of professional learning opportunities. Realizing that educational reform was essential for the state's progress, he took the visionary step of promoting private technical education.

This vision led to the establishment of the Maharashtra Academy of Engineering and Educational Research (MAEER), under which the Maharashtra Institute of Technology (MIT) was founded in 1983. MIT Pune became one of the first private engineering colleges in the state, laying the foundation for a vast network of institutions offering education from primary levels to doctoral studies across multiple disciplines. Today, the MIT Group of Institutions stands among the most respected educational organizations in the country. Its rapid growth is a testament to Dr. Karad's relentless dedication to quality education and holistic development.

A strong believer in the philosophy of Swami Vivekananda, Dr. Karad advocates the union of science and spirituality as the path to world peace. His institutions promote value based education through meditation, yoga, social service, and character building. The daily world peace prayer across campuses symbolizes harmony, humanity, and unity. Carrying forward this mission, Dr. Karad founded the World Peace Centre in 1996 to encourage global peace and socio religious harmony. His efforts have received international recognition, including the prestigious UNESCO Chair for Human Rights, Democracy, Peace, and Tolerance.

In recognition of his lifelong service, Dr. Karad has received numerous honors, including the Arutchelvar Dr. N. Mahalingam Award, the Vishwashanti Ratna Award, and an honorary doctoral degree from



Brigham Young University in 2024.

Dr. Vishwanath Karad's journey reminds us that vision combined with compassion can transform society. His life continues to inspire generations to pursue excellence while upholding human values and social responsibility.



Dr. Vishwanath D. Karad

Founder, Executive President
Managing Trustee MAEER,
Pune, India





OUR UNIVERSITIES



Dr. Vishwanath Karad
MIT WORLD PEACE UNIVERSITY | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS



MIT-ADT UNIVERSITY PUNE, INDIA
A Upan towards the World Class Education
Approved by Govt. of Maharashtra
Recognized by UGC, New Delhi

spreading the message of peace in the society, based on the appropriate blending of science, technology and spirituality, UNESCO, Paris

bestowed the World Peace Centre, MAEER's MIT, Pune, India with an UNESCO Chair for Human Rights, Democracy, Peace and Tolerance on 12th May 1998. MIT has traversed the path of rapid development in education, along with the nation, often responding positively to changed needs and at times initiating significant changes.

To promote the "Culture of Peace" through value based "Universal Education System", with a firm belief that "Union of Science and Religion Spirituality alone will bring peace to mankind".

To harness the knowledge of Science and Technology for the welfare of the Society.

MAEER was the first step of the revolution in the education scenario of Maharashtra, the third largest state in the country, with a rich heritage, known as the land of saints and also, the one which gave great leaders to the world had yet to progressed in the field of education.

This realization embarked the journey of MAEER - in 1983 with the establishment of Maharashtra Institute of Technology (MIT), one of the first private engineering college in Maharashtra which still remains the flagship institute of the group. It is worth mentioning that in appreciation of the work carried out by MAEER's MIT, Pune and the banner of World Peace Centre in championing the cause of promoting the Value Based Universal Education System for

OUR FLAGSHIP INSTITUTIONS

MIT

Academy of Engineering

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)



ABOUT MAEER



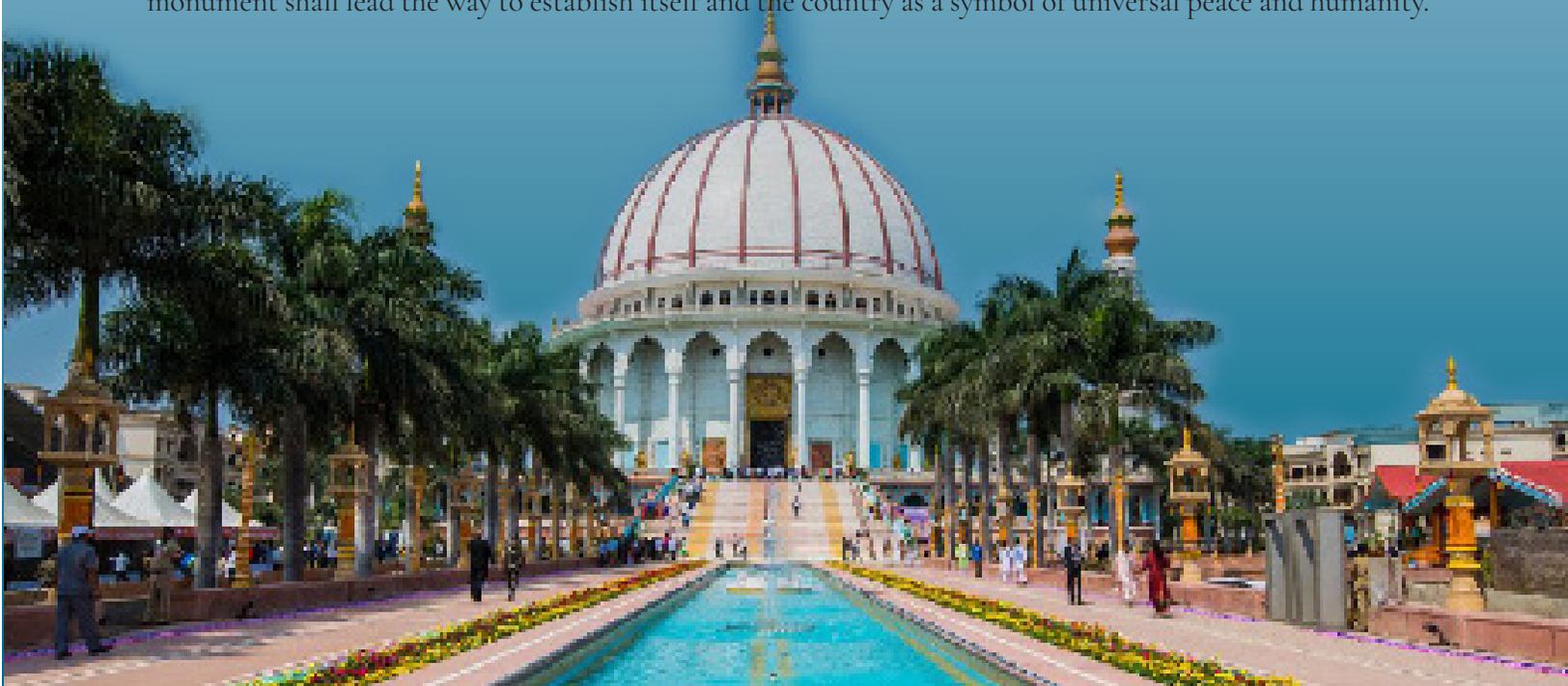
Philosopher Saint Shri Dnyaneshwar World Peace Prayer Hall & Library

The brainchild of Prof. Dr. Vishwanath D. Karad, the Philosopher Saint Dnyaneshwara World Peace Library and World Peace Prayer Hall, at MIT campus Vishwarajbaug, Loni Kalbhor, Pune, is an epitome of architectural magnificence and is a contribution towards the knowledge Divine.

This beautiful 160 ft. diameter and 263 ft. Height Domed Structure contains 54 larger- than-life-size bronze statues of some of the greatest Saints, Scientists & Philosophers in the history of mankind, who are known to the world as Makers of World of Science, Makers of World of Literature, Makers of World of Knowledge and Wisdom, Makers of World of Religions, Makers of World of Social Reforms, and they all have given shape to the world history and civilization as it exists today. It is presently known to be 'World's Largest Dome' and rests only on 24 Pillars. The 'World Peace Prayer Hall' above can accommodate 3000 People and the 'World Peace Library' covers an expanse of 62500 Sq.ft. The Centre of the DOME houses the meditation centre, from where all divinity and positivity emanates.

Meditation Centre is designed such that it balances the 7 Chakras of the human body to be aligned with the Universal Forces that drive the MIND, SOUL and ENTIRE EXISTENCE. The ensuing 12 Pillars symbolize the religious duty towards the mother, father, family, society, the Nation and the world. They represent the 12 major religions that have thrived and transformed the world – Hinduism, Islam, Christianity, Buddhism, Jainism, Sikhism, Judaism, Zoroastrianism, Baha'i, Taoism, Shintoism and Confucianism.

Going beyond the architectural elements, the 108 pillars stand for something that is more significant. The number 108 has long been considered a sacred number in Hinduism and yoga. Traditionally, malas, or garlands of prayer beads, come as a string of 108 beads. Furthermore, renowned mathematicians of Vedic culture viewed 108 as a number of the wholeness of existence, which connects the Sun, Moon, and Earth. According to yogic tradition, there are 108 Upanishads and 108 marma points, or sacred places of the body. Based on these 108 pillars of religion/spirituality, science and philosophy and others, the monument shall lead the way to establish itself and the country as a symbol of universal peace and humanity.



ABOUT MITAOE

The MIT Group of Institutions is one of the most prestigious academic groups in the state of Maharashtra which comes under the aegis of the Maharashtra Academy of Engineering and Educational Research (MAEER), Pune. MIT Academy of Engineering (MITAOE), Alandi, Pune, was established in 1999 under MAEER by the honorable Prof. Dr. Vishwanath D. Karad, Founder and Executive President of MIT Group. The institute offers seven UG programs (B.Tech) and three PG programs (M.Tech). The UGC has honored the institute with 'Academic Autonomy' considering the quality of pedagogical practices, research, faculty and the state-of-the-art infrastructure that meets global standards.

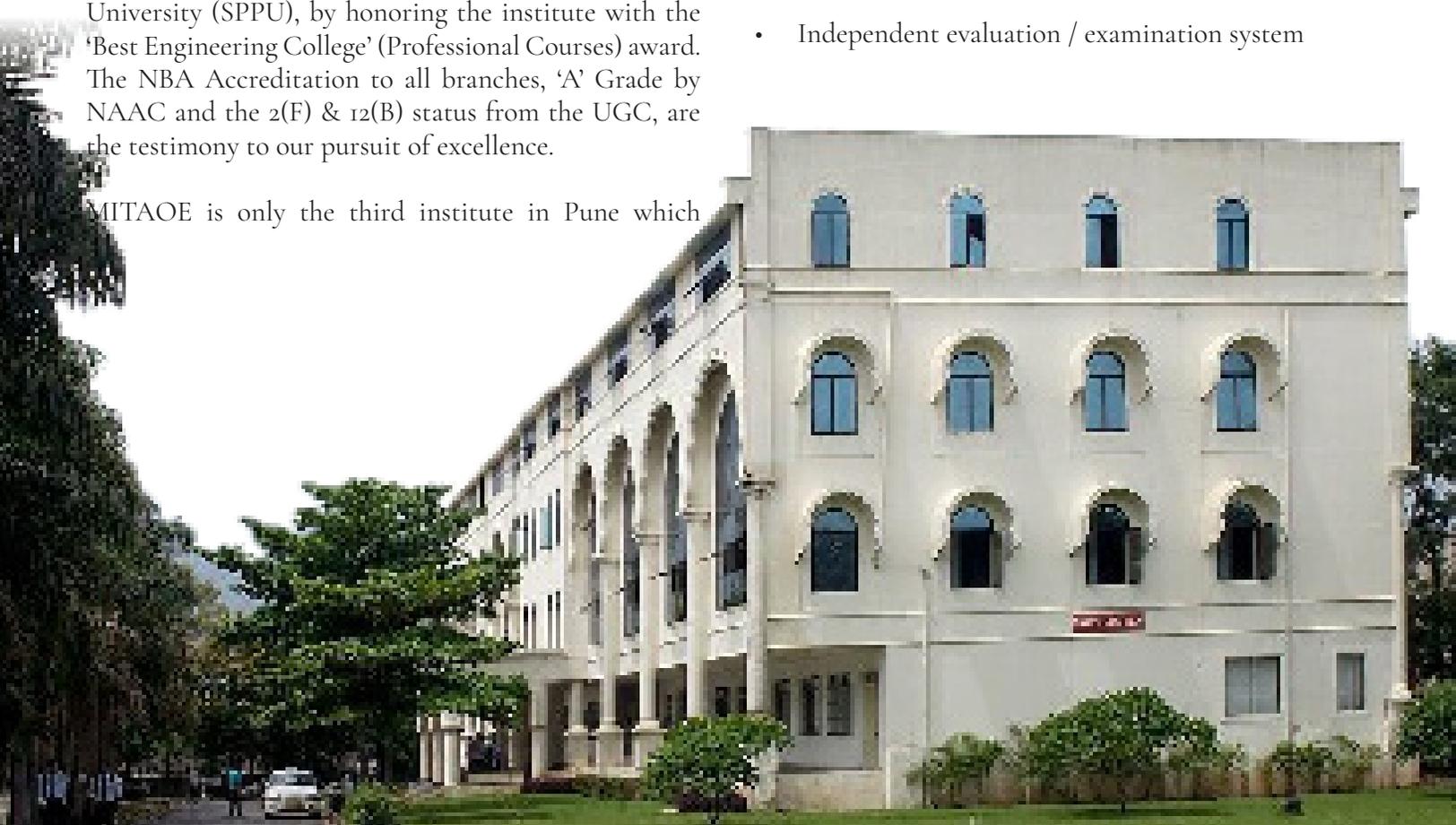
Today, MITAOE is regarded as one of the best professional institutes in Maharashtra. This fact has been even exemplified by the Savitribai Phule Pune University (SPPU), by honoring the institute with the 'Best Engineering College' (Professional Courses) award. The NBA Accreditation to all branches, 'A' Grade by NAAC and the 2(F) & 12(B) status from the UGC, are the testimony to our pursuit of excellence.

MITAOE is only the third institute in Pune which

has been bestowed with 'academic autonomy' by the University Grants Commission (UGC). Academic autonomy is granted only to those institutes that are accredited by NAAC with 'A' grade and are also accredited by NBA for all programs. Besides, the institute should also have the 2(F) & 12(B) status of the UGC.

This exemplifies that the 'academic autonomy' is awarded only to the best institutes. Under autonomous status an institute remains affiliated to the University but gets freedom to design the advanced & industry-oriented syllabi, decide the modes of instruction & evaluation, and conduct examination and assessment of papers. The degree though, is awarded by the University. There are many advantages of academic autonomy for all stakeholders of the institute. Some of these are as follows:

- Updated and contemporary syllabus flexibility in updating as per industry needs
- Innovative approaches to teaching and learning; skill-based education
- Interdisciplinary approaches in academics and research
- A wide range of subjects to choose from
- Independent evaluation / examination system



- Opportunities for collaboration with reputed foreign & national universities and companies
- Better placement opportunities
- Support for higher education in India and abroad
- Internships and scholarships for projects
- Guest lectures and training programs by eminent experts from academia and industry

Affiliations & Accreditations, Awards and Salient Features:

- An autonomous institute affiliated to the Savitribai Phule Pune University (SPPU), Pune
- Approved by the All India Council for Technical Education (AICTE), Government of India.
- Accredited by the National Assessment and Accreditation Council (NAAC) with 'A' Grade.
- Accredited by the National Board of Accreditation (NBA), AICTE, New Delhi for imparting quality education and providing congenial ambience with modern infrastructure, well-equipped laboratories and many other facilities for co & extracurricular

activities.

- University of Pune has awarded MITAOE as 'Best Engineering College' (Professional Courses) in 2014.
- National Recognition by UGC, New Delhi for receiving grants under all UGC schemes for faculties & students to promote, stimulate and strengthen research activities.
- One of the first few Engineering colleges under University of Pune to be awarded with ISO 9001: 2000 Certificate. Currently we are an ISO 9001: 2008 certified institute.
- Student – Teacher ratio is 12 : 1
- Student – Computer ratio is 2 : 1
- Student Chapters of IChE, IEEE, CSI, ISA and ISTE have been established in the Institute to keep the students updated with the up-coming technology trends.

Thus, academic autonomy opens the doors for excellence in education, research and administration. MITAOE, as an autonomous institute, strives to make a huge difference by creating winning personalities and catering to the all round development of its students.

MIT Academy of Engineering Organization Chart



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HOOD

Committees

Centre of Excellences

- Chemical
- Civil
- Computer
- Electronics
- E&TC
- IT
- Mechanical
- Engg. Science
- HPPD
- Grievance cell
- Ladies Grievance
- Caste Grievance
- Anti-ragging & disciplinary
- Planning and Evaluation
- Library
- Student Welfare
- Technical Evaluation
- Sports and cultural committee
- Website
- Sexual Harassment
- Academic Monitoring



GOVERNING COUNCIL

YEAR 2024 - 2025



Chairman

Dr. Sanjay Dhande
Former Director, IIT
Kanpur



Member

Dr. Sunil Karad
Executive Director,
MIT Group of Institutions



Member

Prof. Anant Chakradeo Dean,
MIT Institute of Design &
Director, International Relations,
MIT Group of Institutions



Member Secretary

Prof. Yogesh Bhalerao
Director, MIT academy of
engineering



Member

Mr. Prakash Jagtap
Chairman & MD, Saj Test Plant
Pvt. Ltd.



Member

Dr. B.B. Ahuja
Director, College of Engineering,
Pune



Member

Mr. Jiten Patil
Mr. Jiten Patil is the Founder &
Managing Partner of Quantum
Orbit Consulting LLP.



Member

Dr. N.S. Umrani
Pro-Vice Chancellor, Savitribai
Phule Pune University (SPPU)



Member Secretary

Dr. Mahesh D. Goudar
Director, MIT Academy of
Engineering



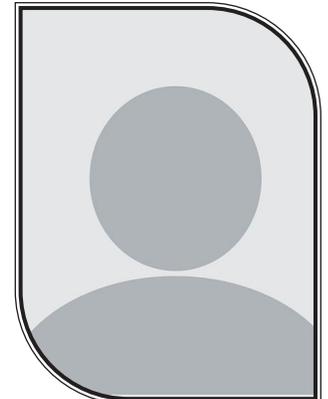
**Govt. of Maharashtra
Nominee**

Dr. Aditya Abhyankar
Professor & Dean of the
Department of Technology,
Savitribai Phule Pune University (SPPU)



Member

Dr. Prashant Kumar
Indian Institute of Technology,
Kanpur



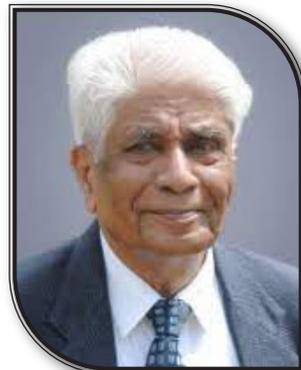
**University
Nominee**

Dr. Sunil Bhagwat
Deccan-Education
Society, Fergusson College



UGC Nominee

Mrs. Manju Singh
Secretary, University Grants
Commission (UGC), Govern-
ment of India



Member

Prof. B. P. Sabale
Ex. Vice Chancellor, Y C M O U.
Maharashtra



**Member
Faculty Representative**

Dr. Dipti Sakhare
Professor & Dean in School
of E&TC Engineering



**Member
Faculty Representative**

Dr. Suyogkumar Taralkar
Associate Professor in School of
Chemical Engineering,
Dean Quality Assurance



MITAOE ACADEMIC COUNCIL

YEAR 2024 - 2025



Dr. Mahesh D. Goudar Director, MIT Academy of Engineering (MITAOE)	Chairman
Dr. Aditya Abhyankar Professor and Dean, Department of Technology, Savitribai Phule Pune University	University Nominee
Dr. D. S. Bormane AISSMS's College of Engineering	University Nominee
Dr. Anjali Kshirsagar Department of Physics, SPPU	University Nominee
Mr. J. P. Shroff Chairman, Shroff Group,	External Expert Industry / Academics
Mr. Pradeep Sakhadeo Sr. Director at Colgate Palmolive	External Expert Industry / Academics
Mr. Om Dhumal Head- Operations , Knorr Bremse AG, Pune	External Expert Industry / Academics
Dr. S. P. Mahajan Electronics and Telecommunication, Head of the Department, COEP	External Expert Industry / Academics
Mr. Cladius Fernando GenAI Architect, Persistent Systems, Pune	External Expert Industry / Academics
Mr. B. B. Waphare Principal, MAEER's MIT Arts, Commerce, and Science College	External Expert Industry / Academics
Dr. Mahesh D. Goudar Officiating Director & Professor, MITAOE	Member Secretary
Dr. Shitalkumar Jain Deputy Director, Academics and Research, MITAOE	Member
Dr. Sandeep Shewale School of Chemical Engineering, MITAOE	Dean
Dr. Pramod Ganjewar School of Computer Engineering, MITAOE	Dean
Dr. Dipti Sakhare School of E&TC Engineering MITAOE	Dean
Dr. Abhijeet Malge School of Mechanical Engineering MITAOE	Dean
Dr. Nilesh. U. Mate School of Civil Engineeringg, MITAOE	Dean
Dr. Vaishali Wangikar School of Humanities and Engineering Sciences, MITAOE	Dean
Dr. Deepti Chikmurge School of CSE (Artificial Intelligence & Machine Learning, MITAOE	Dean
Dr. Manish Giri School of CSE (Software Engineering) MITAOE	Dean
Dr. Santosh Warpe School of Information Technology MITAOE	Dean
Dr. Puja Verma School of Humanities and Engineering Sciences MITAOE,	Dean

Mr. Avinash Bhalerao
School of Design, MITAOE

Dean

Mr. S. M. Bhagat
Registrar, MITAOE

Faculty Member

Dr. Suyog Taralkar
IQAC Coordinator , MITAOE

Faculty Member

Dr. Ranjana Badre
Controller of Examinations , MITAOE

Faculty Member

Dr. Pritam Kalos
Research and Development Coordinator , MITAOE

Faculty Member

Mr. Pramod Dharmadhikari
Assistant Professor, Department of Computer Engineering, MITAOE

Faculty Member

Mr. Ashitosh D. Chavan
Assistant Professor, Department of Electronics and Telecommunication Engg MITAOE

Faculty Member





Foreword

I am pleased to present the latest edition of MIT Academy of Engineering's cultural magazine, AjaanVriksha'25, based on the inspiring theme "Zero to Infinity." This publication continues to serve as a vibrant platform for students to express creativity, share perspectives, and showcase their diverse talents.

At MITAOE, we believe in holistic education where cultural activities complement academic excellence. They help students discover their potential, develop confidence, and nurture a balanced approach to life. The theme "Zero to Infinity" beautifully reflects every student's journey from humble beginnings to limitless achievements, guided by dedication, learning, and perseverance.

Inspired by the legacy of MAEER, we remain committed to fostering innovation, values, and excellence. As an autonomous institution, MITAOE strives to create opportunities that empower students to grow academically, creatively, and personally.

I congratulate the editorial team and contributors for their sincere efforts in bringing this edition to life. I am confident that AjaanVriksha'25 will inspire readers and celebrate the spirit of transformation and boundless possibilities.

My best wishes to all.



Dr. Sunil Karad
Executive Director,
MIT Group of Institutions.

Preface

It gives me great pleasure to present the latest edition of our annual cultural magazine, AjaanVriksha'25, centered around the inspiring theme “Zero to Infinity.” With each passing year, AjaanVriksha continues to grow as a reflection of our students’ creativity, dedication, and evolving perspectives. This edition marks yet another milestone in our journey of celebrating talent and imagination.

Guided by the theme, the magazine captures the remarkable transformation from humble beginnings to limitless aspirations. It highlights the dreams, efforts, and achievements of our students who consistently push boundaries and explore new possibilities. Through stories, artwork, photography, and thoughtful expressions, this edition beautifully portrays the spirit of growth and perseverance that defines our institution.

The editorial team, along with writers, designers, and photographers, has worked tirelessly to bring this vision to life. From academic accomplishments and cultural events to sports excellence and social initiatives, the magazine presents a vibrant snapshot of campus life at MITAOE.

Over the years, AjaanVriksha has earned prestigious recognition for its quality and creativity, establishing itself as a true student driven publication. It remains a powerful platform that encourages self expression, innovation, and confidence among our students.

I sincerely appreciate the efforts of the entire AjaanVriksha team for their commitment and passion. I am confident that this edition will inspire readers and continue the legacy of excellence.

May AjaanVriksha'25 celebrate beginnings, growth, and the boundless potential within every student. As Carl Sagan once said, “Somewhere, something incredible is waiting to be known.” This magazine stands as a shining example of how



imagination, fueled by passion and determination, can explore realms beyond the ordinary.

With every passing year, AjaanVriksha continues to evolve, mirroring the growth of our institution and its students. I am confident that this edition will captivate readers and serve as a source of inspiration for all who turn its pages.

May this year’s magazine be a celestial dream in itself, celebrating creativity, ambition, and the infinite possibilities that await us in the cosmos.

Dr. Mahesh D. Gaudar
Director, MITAOE

Editorial

The Twelfth Edition of MITAOE's Annual Cultural Magazine, AjaanVriksha'25, holds a truly special place in my heart. This edition represents not only another milestone in the magazine's journey but also a deeply meaningful chapter in my own association with AjaanVriksha. From students to faculty members, every individual has contributed with dedication and passion to shape this beautiful creation. Each section has worked tirelessly to ensure that this edition reflects excellence in every form.

This magazine proudly celebrates the diverse talents and achievements of our students and faculty throughout the academic year. It brings together inspiring interviews with distinguished personalities, thoughtful articles and poetry in three languages, along with captivating artwork and photography that enrich every page. The documentation of events, accomplishments, and campus life adds depth and value, making this edition a true reflection of the vibrant spirit of MITAOE.

Every year, the AjaanVriksha family introduces a theme that carries meaning and inspiration. This year's theme, "Zero to Infinity," symbolizes the transformative journey from humble beginnings to limitless possibilities. It reflects the struggles that shape us, the dreams that guide us, and the growth that defines our success. Each page captures stories of perseverance, creativity, and ambition, celebrating how small steps can lead to extraordinary achievements.

AjaanVriksha has consistently upheld a legacy of excellence, earning prestigious recognition at the university level over the years. These achievements motivate us to continue raising the bar and delivering content that inspires and empowers. To our student community, I encourage you to keep exploring your talents, expressing your ideas, and pushing the boundaries of creativity.



I extend my heartfelt gratitude to the entire editorial team for their relentless efforts, dedication, and teamwork in bringing this edition to life. I also sincerely thank our Director, Dr. Mahesh D. Gaudar, and the Dean of Student Affairs, Mr. S. A. Khandekar, for their constant guidance and support.

To our readers, thank you for being a part of this journey. May AjaanVriksha'25 inspire you to believe in your beginnings and strive endlessly toward your dreams.

Ms. Nutan V. Bansode
Chief Editor

Editorial

It gives me immense pleasure to present the 2024–25 edition of AjaanVriksha, the Twelfth Edition of our cherished college magazine. This year's theme, **“Zero to Infinity,”** beautifully represents the journey of growth, perseverance, and limitless potential that defines the spirit of MITAOE. It reminds us that every great achievement begins with a small step and evolves through dedication and belief.

AjaanVriksha'25 celebrates academic excellence along with the vibrant co-curricular and extracurricular accomplishments of our students throughout the year. This edition captures inspiring stories of creativity, innovation, and transformation that shape our campus life.

Organized into thoughtfully curated sections including English, Hindi, Marathi, Creative Arts, and Utsavam, the magazine showcases diverse talents and expressions unified under the theme of progress and possibility. Through articles, poetry, artwork, photography, and event highlights, every page reflects the essence of moving from beginnings to boundless achievements.

This edition is the result of the dedicated efforts of our faculty editors and student editors, whose teamwork and passion have brought this vision to life. Together, they have created a magazine that not only documents success but also inspires growth.

I extend my heartfelt gratitude to all contributors, faculty mentors, and the MITAOE management for their constant encouragement. I am especially thankful to our respected Director, Dr. Mahesh D. Gaudar, for his continued guidance and support. May AjaanVriksha'25 inspire every reader to embrace their beginnings and strive confidently toward infinity.



Ms. Mayuri Pokharna

Chief Associate Editor

Editorial

The Twelfth Edition of MITAOE's Annual Cultural Magazine, AjaanVriksha'25, holds a deeply special place in my heart as the Chief Design Editor. This edition is not merely another milestone in the magazine's journey, but a meaningful chapter in my own creative association with AjaanVriksha. From enthusiastic students to dedicated faculty members, every contributor has poured passion, commitment, and hard work into shaping this remarkable publication. Each team and section has worked relentlessly to ensure that every page reflects creativity, quality, and excellence.

This magazine proudly showcases the diverse talents and accomplishments of our academic community throughout the year. It brings together insightful interviews with inspiring personalities, thought-provoking articles and poetry in three languages, along with visually engaging artwork and photography that enhance the overall reading experience. The careful documentation of campus events, achievements, and student life adds depth and authenticity, making this edition a true mirror of the vibrant culture of MITAOE.

Every year, AjaanVriksha is guided by a theme that carries a deeper message. This year's theme, "Zero to Infinity," symbolizes the powerful journey from modest beginnings to boundless opportunities. It represents the challenges that shape our character, the dreams that fuel our ambitions, and the growth that defines success. Through design, visuals, and content, this edition captures stories of perseverance, imagination, and determination—reminding us that even the smallest step can lead to extraordinary outcomes.

AjaanVriksha has built a proud legacy of excellence, earning recognition at the university level time and again. Such achievements inspire us to continuously innovate and raise our creative standards. I extend my heartfelt gratitude to



the entire editorial and design team for their dedication, collaboration, and tireless efforts in bringing this vision to life. I am also sincerely thankful to our Director, Dr. Mahesh D. Gaudar, and the Dean of Student Affairs, Mr. S. A. Khandekar, for their constant encouragement and support. To our readers, thank you for being part of this journey. May AjaanVriksha'25 inspire you to believe in your beginnings and pursue your dreams without limits.

Mr. Mandar Kulkarni ,
Design Editor

Editorial

As I write this editorial, I am filled with gratitude and pride reflecting on my journey with AjaanVriksha. What began in my first year as a small step into the world of creativity has now, in my final year, become a dream come true contributing to and leading this magazine as its President.

This year's theme, "Zero to Infinity," beautifully mirrors my own experience. From learning and experimenting to growing with every edition, AjaanVriksha has shown me how every beginning holds the power to become something limitless.

This edition celebrates the growth, resilience, and boundless potential of our students. Through stories, art, and achievements captured within these pages, we showcase how passion and perseverance transform dreams into reality.

I extend my heartfelt gratitude to our Dean of Student Affairs, Mr. S. A. Khandekar, for his constant guidance and support. I am sincerely thankful to Ms. Nutan V. Bansode and Ms. Mayuri Pokharna for their mentorship, dedication, and continuous encouragement. A special note of appreciation to Mr. Mandar S. Kulkarni, our Design Mentor, whose creative vision and guidance added excellence to this edition.

From Zero to Infinity this is not just our theme, it is our journey.



Gopal Mankar

President, AjaanVriksha
Magazine Community



MITAOE STUDENT COUNCIL

YEAR 2024-2025



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Students Achievement





MITAOE - 1st Runner Up in State level AISSMS Volleyball Competition (Feb 2025)



MITAOE - 1st Runner Up and 11nd individual Prizes in Firodiya Karandak – 2025



Final Prize Ceremony -1st Runner Up and 2nd individual Prizes in Firodiya Karandak – 2025



Team Niyudrath Karting - AIR -2nd and 5th Awards in IKR Season 9.0 , at Galgotias Universtiy , Gr. Noida (AutoSports Club - National Level)



Team Niyudrath Racing at SAE BAJA 2025 , AIR – 4 and Dronacharya Award for Mentor (AutoSports Club – National Level)



Hackthon 2024 – Winner , Team Parikshit at Government of NCT of Delhi



Hackthon 2024 – Winner , Team Bhasha Setu



Hackthon 2024 – Winner , Team Parikshit at Government of NCT of Delhi



Drone Club – Won 1st & 2nd Prize at COEP , Pune , Oct -2024



Drone Club – Won 1st & 2nd Rank at Govt COE , Chat. Sambhajinagar, Feb -2025



Drone Club – Won 1st & 2nd Rank at MIT ADT , Aug -2024



AERO Club, Team Blitzkrieg : AIR-2 in Technical Presentation (SAE DDC)





D-WING

Maestro

2024-2025

EXCLUSIVE
INTERVIEW

MIT

Academy of
Engineering



Maitreyee Deshmukh

B-Tech Computer Engineering



Would you please give us a brief introduction about yourself and your life?

I am someone who has always believed that growth happens at the intersection of curiosity, discipline, and empathy. My journey through engineering has been shaped not just by classrooms and examinations, but by people, experiences, failures, and constant self-reflection. I enjoy learning deeply, questioning assumptions, and applying knowledge in ways that create meaningful, real-world impact.

I completed my B.Tech in Computer Science in 2025, and I am currently working as a Backend Developer in the Agentic AI team at Juspay Technologies. Being part of a fast-paced fintech ecosystem has been both humbling and energising, it allows me to work on systems that operate at scale, collaborate on projects across domains, and contribute to solutions used by people and institutions worldwide. Each day brings new responsibilities, new technologies to explore, and new problems to solve, reinforcing my belief in lifelong learning.

Beyond academics and work, I have always gravitated towards exploring diverse interests, whether it is problem solving through technology, participating in

events, contributing to social initiatives, or collaborating with people from different backgrounds. Life lately has been about building things that matter, growing through challenges, and staying grounded in gratitude. No matter what comes my way, I try to approach it with optimism, sincerity, and the determination to create impact at a scale that extends far beyond myself, touching systems, communities, and lives far beyond my immediate sphere. I see life as a continuous learning process, and college has been a transformative chapter that taught me how to balance ambition with humility and success with responsibility.

What motivated you to choose engineering and your specialization?

Engineering appealed to me because it is where logic meets creativity, where abstract ideas are translated into solutions that have the power to shape lives. I was drawn to the elegance of structured thinking: the ability to break down complex problems, analyse them methodically, and arrive at solutions that are both efficient and impactful.

My specialization deepened this fascination by placing me at the intersection of strong theoretical foundations and real-world application. I was particularly inspired by how technology can scale impact, optimize systems, and unlock possibilities across industries. What truly sustained my interest was not merely learning how things work, but understanding why they work and how they can be reimaged to work better.

There is something profoundly fascinating about the fact that some of the most sophisticated systems in the world, applications, platforms, and technologies that operate at massive scale are built line by line, often by someone sitting with a laptop, driven by intent and imagination. The idea that I can create solutions from anywhere, a desk, a café, or a quiet corner, using knowledge and code to reach people I may never meet, captures the quiet magic of engineering for me. It is this blend of precision, creativity, and boundless possibility, coupled with the field's constant evolution, that continues to challenge me to learn, adapt, and think ahead.

What inspired you to achieve this endeavour of becoming the Maestro of the college?

I never set out with the sole intention of winning an award. What inspired me was the desire to experience college life in its fullest sense while striving to become the best version of myself: academically, professionally, socially, and personally. I wanted to challenge myself across multiple dimensions rather than confining my growth to a single path. Over time, I came to understand that excellence is not about perfection, but about consistency, sincerity, and intent, qualities that matter far more than isolated achievements.

The Maestro journey was driven by self-motivation, a strong support system, and a genuine desire to contribute meaningfully, through leadership, teamwork, service, and shared growth. Watching the Maestros from previous batches receive this recognition and excel across diverse avenues, both during their college years and beyond, was quietly inspiring. It showed me what was possible when passion met perseverance. Throughout this journey, I was also fortunate to be supported by many: teachers who shaped my thinking and instilled strong foundations, mentors who guided me with clarity, and peers who believed in me, encouraged me, and pushed me to stay confident and give my best.

I am deeply grateful for this appreciation and for the recognition of values I hold close. I see it not as a culmination, but as motivation to keep learning, exploring new possibilities, and giving back to the community wherever I can.

If, in the process, watching me hold this title, or even reading these words, encourages someone to strive for their own best version, that would be the most fulfilling outcome of all. For me, that quiet ripple of inspiration is what truly gives this recognition its meaning.

In our college life, we do a lot of activities like entrepreneurship, social work, and sports. What was your perspective on co-curricular activities?

I see co-curricular activities as a powerful complement to academics. While academics sharpen the mind, experiences beyond the classroom shape perspective, confidence, and character. They cultivate leadership, resilience, collaboration, empathy, and emotional intelligence, qualities that cannot be fully absorbed from textbooks alone.

For me, stepping into these activities meant stepping

out of my comfort zone. It was unfamiliar and, at times, intimidating but equally thrilling and deeply rewarding. Each experience nudged me beyond the person I thought I was, helping me discover abilities, interests, and strengths I had never consciously recognised before. I learned to take initiative, adapt under uncertainty, and navigate situations with composure while engaging with diverse ways of thinking.

These experiences went on to shape my worldview. They helped me translate academic learning into real-world contexts, connect meaningfully with people from different backgrounds, and develop a sense of responsibility that extends beyond individual success. In many ways, co-curricular engagement prepared me for life teaching me to think broadly, act thoughtfully, and persist with purpose, more profoundly than any single subject ever could.





How do you see your future in this specialization and why do you find it interesting?

I see my future in this specialization as a journey of continuous learning and meaningful contribution. It excites me because it is constantly evolving, challenging conventional thinking, and demanding both innovation and strong fundamentals. This balance keeps the work intellectually engaging while pushing me to remain adaptable and forward-looking.

What makes the field particularly compelling to me is its versatility—the ability to apply the same core principles across domains such as research, product development, and real-world problem-solving. It allows me to work on systems that scale, to think deeply about efficiency and reliability, and to build solutions that quietly power everyday experiences. I find purpose in creating technology that is not just technically sound, but thoughtfully designed and responsibly implemented.

As I move forward, I hope to deepen my expertise while continuing to explore how technology can be used to solve complex, real-world challenges at scale. This blend of depth and flexibility makes the journey both intellectually fulfilling and professionally rewarding, while allowing me to align my technical interests with impact-driven goals..

How did you prepare to reach this level? What habits or practices helped you most?

My preparation was not built on isolated bursts of effort, but on quiet consistency sustained over time. I focused on strengthening fundamentals, managing time with intent, and regularly reflecting on my progress to course-correct when needed. One practice that helped me the most was approaching every opportunity, academic or otherwise, with a sense of ownership and sincerity.

Equally important was staying open to feedback, embracing it and learning from setbacks. I made it a point to surround myself with people who challenged my thinking and inspired me to grow and step beyond comfort and convention.

During demanding phases, discipline became less about motivation and more about commitment, showing up even when outcomes were uncertain or enthusiasm wavered. Staying curious helped me navigate these

moments, reminding me that growth often happens quietly, long before it becomes visible. This combination of consistency, reflection, and resilience shaped my journey far more than any single achievement.



Share your study tips and career guidance for fellow students?

My biggest advice is to focus on understanding concepts deeply rather than memorising outcomes for short-term results. Strong fundamentals create confidence, adaptability, and clarity in the long run. Ask questions without hesitation, build strong basics, and apply what you learn through projects, internships, research, or real-world experimentation. Above all, remember that consistency matters far more than intensity.

From a career perspective, exploration is essential. Try different domains early, reflect on what genuinely excites you, and make informed choices by aligning your interests with your strengths rather than following trends blindly. Progress is rarely linear, so allow yourself the patience to learn, pivot, and grow at your own pace without constant comparison.

Alongside technical skills, invest consciously in communication, adaptability, and emotional intelligence—they shape how effectively your knowledge translates into impact. Equally important is learning to handle failure with resilience and integrity. Mistakes are inevitable, but they often become the most valuable teachers. Finally, anchor your journey in purpose: when learning and work are driven by curiosity and ethics rather than external validation alone, success becomes both sustainable and fulfilling.

The recognition has subtly but profoundly shaped my personality. It strengthened my self-belief while grounding me in gratitude, teaching me to trust the process even when progress feels invisible. Today, in moments of self-doubt, exhaustion, or when challenges seem relentless, this memory serves as a quiet anchor. It reminds me that perseverance through uncertainty is often what precedes meaningful outcomes, and that pushing through difficult phases is an essential part of growth—both within and beyond college.

As I step into the next phase of my life, this award has become less of a milestone and more of a compass. It has recalibrated how I think about growth and ambition. It has taught me to value long-term impact over quick wins, and depth over visibility. My goals now revolve around building systems and solutions that are thoughtful, resilient, and quietly dependable: work that earns trust over time. I want to continue learning rigorously, taking on responsibility with clarity, and contributing in ways that leave things better than I found them. If the Maestro journey taught me anything, it is that sustained excellence is not about moments of recognition, but about showing up consistently with purpose.



How has this award shaped your personality and future goals?

This award has been deeply humbling. It reaffirmed my belief that sincere effort, when guided by purpose and integrity, does not go unnoticed. More importantly, it reshaped how I view responsibility, encouraging me to lead with humility, mentor with intent, and measure success not just by personal milestones, but by the value I create in other's lives as well.





D-WING

Dynamic

2024-2025

EXCLUSIVE
INTERVIEW

MIT

Academy of
Engineering

Viraj Chudasama

B-Tech Computer Engineering





Would you please give us a brief introduction about yourself and your life?

I am Viraj Chudasama, a BTech Computer Engineering graduate from MIT Academy of Engineering, with a Minor in Artificial Intelligence and Machine Learning. My academic training includes coursework in Enterprise Software Platforms, Database Management Systems, Machine Learning, Data Analytics, and Adobe Experience Manager (AEM), providing a strong foundation in software development and applied AI.

I have gained practical industry experience through multiple internships, where I worked with JavaScript, Web APIs, SQL, React, and Adobe Experience Manager (AEM). My responsibilities included UI development, workflow automation, and the development of AI-enabled solutions, allowing me to contribute effectively across both frontend and backend workflows. I have also published two research papers in Artificial Intelligence and Machine Learning, demonstrating experience in research, experimentation, and technical documentation.

My technical interests focus on software engineering, AI/ML systems, and enterprise applications, with an emphasis on building scalable and maintainable solutions. I actively keep pace with emerging

technologies and industry practices to strengthen both technical depth and practical relevance.

In addition to technical skills, I have a strong interest in management, marketing, and business strategy, recognizing their importance in translating technical solutions into viable products. I aim to gain international exposure and work in diverse, cross-functional environments that encourage strategic thinking and innovation. Over the long term, I am interested in applying technology to create impact-driven solutions, particularly within the education sector.

Outside of professional work, I maintain interests in cricket, kung fu, and playing the guitar, which support discipline, focus, and balance. I value structured problem-solving, teamwork, and continuous improvement, and I am motivated to contribute meaningfully in roles that sit at the intersection of technology, strategy, and execution.

What motivated you to choose engineering and your specialization?

From a very young age, I have been deeply fascinated by building and developing new things. This natural curiosity and passion for creation led me to decide early

on that I wanted to become an engineer. I was always intrigued by how technology works and how innovative solutions can be designed to solve real-world problems.

Alongside this, I have a strong admiration for the Indian Army. The discipline, dedication, and sense of purpose associated with the armed forces have always inspired me. I learned that computer engineers play a crucial role in the army, contributing to areas such as defense technology, communication systems, cybersecurity, and strategic operations.

By choosing engineering specifically Computer Engineering, I found the perfect way to combine my passion for technology with my desire to contribute to national service. This field allows me to innovate, build impactful systems, and apply my skills in domains that support both technological advancement and defense infrastructure. Together, these motivations gave me complete clarity and confidence in my decision to pursue engineering as my career path.

What inspired you to achieve this endeavour of becoming the Maestro/ Best All rounder-i /Director special-ii /Best All rounder-ii /Director special-ii of the college?

From the beginning of my engineering journey, I viewed college as a platform for holistic development rather than only academics. I actively participated in technical clubs, leadership roles, and cultural activities to build a well-rounded personality and gain real-world exposure.

Guidance from seniors and faculty motivated me to challenge my limits and take responsibility, helping me develop confidence, discipline, and the ability to balance academics with leadership and teamwork.

When I learned about the Director's Special awards, they strongly resonated with my journey. Inspired by seniors who had achieved these honours, I aspired to represent my sustained dedication, learning, and contributions, while also achieving something meaningful for myself and my parents.



In our college life, we do a lot of activities like an entrepreneurship, social work, and sports. What was your perspective on co-curricular activities?

My perspective on co-curricular activities is that they are essential for holistic development, as they transform theoretical knowledge into real-life skills such as leadership, teamwork, creativity, and responsibility. I believe they shape an individual's character just as strongly as academics shape technical competence.

Through my active involvement in various clubs and roles from the first year onwards, I have experienced this firsthand. These opportunities helped me develop confidence, adaptability, and a sense of responsibility, reinforcing my belief that co-curricular activities play a vital role in shaping a well-rounded individual.



How do you see your future in this specialization and why do you find it interesting?

I see my future in this specialization as a professional directly contributing to core central agencies and defense organizations, where advanced technology plays a crucial role in national security. I aspire to apply my skills in computer engineering along with my minor in Artificial Intelligence and Machine Learning to areas such as intelligent surveillance systems, cybersecurity, data-driven intelligence analysis, and secure decision-support platforms.

I find this specialization deeply interesting because it allows technology to serve a larger purpose. With the future rapidly moving towards AI-driven systems, I am keen to strengthen my expertise in AI and machine learning to stay aligned with emerging advancements. AI enables faster analysis, predictive insights, and automation in mission-critical environments, making it especially relevant to defense and central agencies.

By continuously learning and advancing in AI-ML, I aim to combine technical expertise with discipline and responsibility to build intelligent, secure, and scalable systems. This convergence of computer engineering, AI, and national service motivates me to grow further in this field and contribute meaningfully to the nation's technological and strategic capabilities.



How did you prepare to reach this level? What habits or practices helped you most?

I prepared to reach this level by focusing strongly on consistency in everything I pursued. I believe consistency is the foundation of all achievement hard work matters, but without consistent effort, it cannot create lasting results. When effort becomes a daily habit rather than an occasional push, progress becomes inevitable.

Another practice that helped me most was following my inner passion and genuine interests. Instead of limiting myself or hesitating, I chose to dive into every opportunity that aligned with my curiosity and growth. This mindset allowed me to learn continuously, gain diverse experiences, and improve with each step.

By staying disciplined, open to learning, and committed to consistent effort, I was able to grow steadily across academics, leadership, and co-curricular activities. These habits not only helped me reach this level but continue to guide my journey forward.

Share your study tips and career guidance for fellow students.

One thing I have strongly felt during my engineering journey is that many students make the mistake of keeping everything for the last moment. While it may work sometimes, it is a very risky approach. Engineering is not a field where you can simply memorize concepts overnight it is logical, practical, and meant to be understood. I always tried to learn my subjects with clarity, logical reasoning, and practical thinking, and made sure that even the smallest doubt was resolved immediately so that nothing piled up later.

Another habit I followed was learning something new every single day. Even small learnings, when done consistently, create a strong foundation and gradually shape you into a better professional. This mindset helped me grow not only academically but also in real-life problem-solving and workplace readiness.

When it comes to career guidance, I truly believe one should follow what the heart and mind genuinely love. Choosing a career due to pressure, circumstances, or fear often leads to regret in the long run. After years of hard work, when we look back at our journey, there should be no feeling of “what if.” Instead, there should be satisfaction and happiness that we chose a path



for ourselves, gave it our best, and built success with purpose. Following your passion may not always be easy, but it is always worth it and that, to me, is the most honest path to success.

How has this award shaped your personality and future goals?

This recognition has had a profound impact on my self-confidence and inner belief. More than acknowledging achievements, it affirmed the value of perseverance, self-discipline, and staying true to my path. It strengthened my conviction that consistent effort, when guided by purpose, leads to meaningful outcomes.

This renewed confidence has also sharpened my vision for the future. I aspire to serve in the army, where responsibility extends beyond personal success to national duty. The mindset reinforced through this award resilience, accountability, and leadership closely aligns with the demands of such a role. It has encouraged me to set higher standards for myself and prepare with greater determination, knowing that growth begins with belief and is sustained by commitment.

For me, this award represents a defining moment one that strengthened my self-belief and reaffirmed my resolve to pursue a future driven by service, discipline, and purpose.





Dynamic

2024-2025

EXCLUSIVE
INTERVIEW

MIT

Academy of
Engineering

*Aman
Sheikh*

B-Tech Chemical Engineering





Would you please give us a brief introduction about yourself and your life?

I am Aman Alim Shaikh, a final year Chemical Engineering student at MIT Academy of Engineering. I have always believed in dreaming big and working consistently toward those dreams. My experiences in leadership, competitions, IIT Bombay, and Reliance Industries have strengthened my ambition to contribute meaningfully to the industry and society while continuing to grow as a learner.

What motivated you to choose engineering and your specialization?

I was fascinated by how industries transform raw materials into valuable products that impact everyday life. Chemical Engineering connects science, technology, sustainability, and large-scale problem solving, which motivated me to pursue this field.

What inspired you to achieve this endeavour of becoming the Maestro/ Best All rounder i/ Director special i/ Best All rounder ii/ Most Promising of the college?

My inspirations came in my second year when I saw my senior receiving this award. I witnessed the respect, responsibility, and pride that came with it, and at that moment I told myself that one day I wanted to stand there too. Along with the constant support from my faculty, friends, and family, that vision kept pushing me to work harder and improve every year.

In our college life, we do a lot of activities like an entrepreneurship, social work, and sports. What was your perspective on co-curricular activities?

Co-curricular activities are where real personality development happens. Events like Aavishkar, IDPS, and Project to Product improved my innovation, teamwork, and confidence. Serving as Secretary of IICHe helped me learn responsibility and leadership.

How do you see your future in this specialization and why do you find it interesting?

I see myself building a strong career in the process industry, contributing to efficient plant Operations, and developing solutions that create both industrial and environmental impact while Growing within leading organizations like Reliance.

How did you prepare to reach this level? What habits or practices helped you most?

From my second year, I pursued internships every year, participated in conferences and competitions, and continuously strengthened my technical skills by learning industry software. I was also active in social initiatives and sports. Serving as Class Representative for two years and later as Secretary helped me develop leadership and responsibility. These consistent efforts helped me reach this stage.

Share your study tips and career guidance for fellow students.

Build strong basics, ask questions, and approach professors. Participate in internships and Competitions because they teach what textbooks cannot. Improve communication skills and believe In yourself.



How has this award shaped your personality and future goals?

This award has boosted my confidence and increased my responsibility. It motivates me to lead by example, keep upgrading my skills, keep learning, aim higher, and make a meaningful contribution in my career





All Rounder

2024-2025

EXCLUSIVE
INTERVIEW

MIT

Academy of
Engineering

Shreyash Mahakale

B-Tech Electronics





Would you please give us a brief introduction about yourself and your life?

I am an Engineering graduate with a strong foundation in technology and a deep interest in innovation-driven problem solving. After completing my Diploma in Engineering, I secured direct admission into the second year of my degree program. Although I joined as a late admission student and initially faced integration challenges, I focused on academic excellence, active classroom participation, and meaningful collaboration. Over time, I built strong professional relationships with peers and faculty, ultimately graduating with the Best All Rounder Student Award, the second-highest recognition awarded to a passing-out student in the institution.

Beyond academics, I have consistently participated in and won multiple college-level competitions. I also represented my college at the national level in a poster presentation, which strengthened my exposure to research and technical communication on a broader platform.

From an innovation perspective, I hold one patent in the agriculture domain and have published two research papers in the fields of IoT and Artificial Intelligence. My core interest lies in integrating agriculture with advanced technologies such as IoT, AI, data analytics, and intelligent automation. I strongly believe that precision farming, smart monitoring systems, predictive analytics, and AI-driven decision support can significantly improve productivity, sustainability, and resource optimization in agriculture.

My long-term vision is to build scalable, technology-enabled solutions that bridge the gap between traditional farming practices and modern intelligent systems—creating measurable impact in food security, sustainability, and rural development.

What motivated you to choose engineering and your specialization?

My motivation to choose Engineering stemmed from a strong curiosity about how systems work and how technology can be used to solve real-world problems at scale. During my early academic years, I was naturally inclined toward mathematics, logic, and problem-solving. I was particularly fascinated by how electronic systems, processors, and embedded technologies power modern applications—from automation to intelligent devices. Engineering provided the ideal platform

to convert that curiosity into structured technical expertise.

I initially pursued a Diploma in Engineering to build strong practical fundamentals. That hands-on exposure to circuits, embedded systems, and system design reinforced my decision to continue into a full Engineering degree. I was drawn to my specialization because it sits at the intersection of hardware intelligence and computational systems—where digital logic, embedded systems, IoT, and AI converge to create impactful solutions.

Over time, my interest evolved beyond pure technical implementation toward applying engineering to high-impact domains. Agriculture, in particular, became a strong area of focus for me. I realized that integrating IoT, AI, and data-driven systems into agriculture could address critical challenges such as productivity, resource optimization, and sustainability. This alignment between technology and societal impact further validated my specialization choice.



In summary, I chose Engineering not just as a career path, but as a problem-solving framework—one that enables me to design scalable, intelligent, and practical solutions with measurable real-world value.



What inspired you to achieve this endeavour of becoming the Maestro/ Best All rounder-i /Director special-ii /Best All rounder-ii /Director special-ii of the college?

You can present this in a strong and dignified way that highlights resilience rather than struggle alone. Here is a structured version you can use:

My journey was not just academically challenging, but financially and emotionally demanding as well. I completed my education through an education loan, and during that period, my family was facing a significant financial crisis. There were times when managing basic expenses itself was difficult. I survived on a single meal from the mess in a day to manage costs and ensure I could continue my studies without interruption.

The financial pressure, combined with academic expectations and personal responsibilities, created a phase of intense mental stress. There were moments of self-doubt and emotional exhaustion. However, instead of allowing the situation to define me, I made a conscious decision to let it refine me.

That period strengthened my discipline, financial responsibility, and emotional resilience. It taught me prioritization, delayed gratification, and the value of persistence. Every challenge became a reminder of why I needed to succeed—not just for myself, but for my family.

Winning the Best All Rounder Student Award while navigating financial hardship and personal pressure remains one of the most meaningful achievements of my life. It represents more than academic or extracurricular success—it symbolizes perseverance, mental strength, and the ability to perform under adversity.

Those experiences shaped my character, sharpened my focus, and built the foundation of the person I am today—resilient, accountable, and driven to create impact despite constraints.



In our college life, we do a lot of activities like an entrepreneurship, social work, and sports. What was your perspective on co-curricular activities?

During my college life, I viewed co-curricular activities as an essential extension of classroom learning. I believe true development happens beyond academics—through exposure, collaboration, and real-world engagement.

From an entrepreneurship perspective, my experience was very positive. Participating in innovation-driven activities, competitions, and technical presentations helped me develop strategic thinking, problem-solving skills, and confidence in presenting ideas. Representing the college at the national level and working on research papers and a patent strengthened my practical understanding of how ideas can be transformed into scalable solutions.

In terms of competitions, I actively participated and achieved good results. These platforms enhanced my communication skills, technical depth, and ability to perform under pressure. They also expanded my professional network and gave me exposure beyond the institution.

However, in sports, my participation was limited. Due to academic responsibilities, research commitments, and financial pressures during my education, I was not able to contribute significantly in that area. While my performance in sports was not strong, I recognize the importance of physical fitness and teamwork, and it is something I continue to improve upon personally.

Overall, my perspective on co-curricular activities is that they are critical for holistic development. They build leadership, resilience, adaptability, and execution capability—qualities that are equally important as academic excellence.

How do you see your future in this specialization and why do you find it interesting?

That alignment makes your trajectory even stronger.

Currently, as a Gen AI and Agentic AI engineer, I see my future at the intersection of Artificial Intelligence and Agriculture—building autonomous, intelligent systems that move beyond monitoring to decision-making and execution.



What excites me about AI in agriculture is its transformative potential. Agriculture still operates largely on traditional heuristics, yet it generates massive amounts of underutilized data—soil metrics, satellite imagery, weather patterns, crop health indicators, market prices, and irrigation cycles. With Gen AI and agentic architectures, we can shift from reactive farming to predictive and autonomous farming.

I am particularly interested in:

AI-driven advisory systems that provide contextual, multilingual, real-time recommendations to farmers.

Agentic AI frameworks that can autonomously monitor farm conditions, trigger irrigation schedules, optimize fertilizer usage, and coordinate supply-chain decisions.

Vision-based crop diagnostics using multimodal models for early disease detection.

Digital twin models for farms, enabling simulation-driven crop planning and yield optimization.

Gen AI adds a powerful layer—transforming raw sensor and satellite data into actionable, human-understandable intelligence. Agentic AI extends this further by enabling systems to reason, plan, and act autonomously within defined constraints.

Given my background in IoT, embedded systems, research, and agriculture-focused innovation, I see myself building full-stack AI ecosystems—integrating edge devices, cloud AI models, and intelligent agents into a cohesive, scalable platform for precision agriculture.

In the long term, I aim to architect AI-native agricultural systems that enhance productivity, sustainability, and economic resilience for farmers—especially in developing regions where technology can create exponential impact.

For me, this is not just a specialization—it is a mission-driven application of AI.

How did you prepare to reach this level? What habits or practices helped you most?

I reached this level through disciplined, project-driven learning and consistent skill development. I focused on building strong fundamentals in engineering, AI, and systems design, while continuously applying my knowledge through research, competitions, patents, and real-world projects—especially in agriculture. I made it a habit to learn something new every day, experiment hands-on, and think in terms of complete solutions rather than isolated technologies. Despite financial and personal challenges, I maintained resilience, structured



time management, and long-term vision, which helped me steadily evolve into a Gen AI and Agentic AI engineer focused on impactful innovation

Share your study tips and career guidance for fellow students.

My guidance to fellow students is simple: believe in yourself, trust the process, and stay consistent. Progress may not always be immediate, and results may take time, but every effort compounds. Focus on building strong fundamentals, work on practical projects, and continuously upgrade your skills. There will be phases of doubt, pressure, and setbacks—but do not let temporary challenges define your long-term potential. Keep learning, keep improving, and stay patient. The right opportunities align when preparation meets timing. If you remain persistent and disciplined, things eventually fall into place.

How has this award shaped your personality and future goals?

Receiving the Best All Rounder Award significantly strengthened my confidence and reinforced my belief in consistency and resilience. It validated that sustained effort across academics, innovation, leadership, and personal challenges can lead to meaningful recognition. The journey toward that award—especially overcoming financial pressure and initial isolation—shaped me into someone who values discipline, adaptability, and long-term vision.



Most Promising

2024-2025

EXCLUSIVE
INTERVIEW

MIT

Academy of
Engineering

Snehal Nair

Communication Designer





Would you please give us a brief introduction about yourself and your life?

I'm a Communication Design student, but more than that, I'm someone who has been learning to see the world differently over the years. Driven by curiosity and the desire to create with intention, over the year, my journey has grown through collaborations, conversations, events and experiences that stretched me beyond my comfort and into endless possibilities..

Stepping into this field introduced me to completely new ways of thinking. Things felt new, unfamiliar but that unfamiliarity pushed me to grow. There were moments of doubt, ideas that collapsed and projects that demanded to be redone from the start, but every time, I have found clarity. I found strength. With every challenge, I've aimed not only to create better work but to become better. Through design, I am learning that impact doesn't always have to be loud. Sometimes it is in a quiet detail, a choice or even a shift in perspective.

This year, I made a conscious decision to step into every space that allowed me to grow. I hosted events, showcased my work in exhibitions, immersed myself in workshops, joined clubs, and collaborated across disciplines. I wanted to make sure I never stopped learning, never

stopped going beyond my limits. And then every new experience became fuel to my commitment..

I see this journey as just the beginning. There is so much more to explore, build, and contribute. I am excited to keep discovering not just my design voice, but also who I am becoming through what I create.

My decision to choose design came from a quiet realization.. That I have always been moved by the way things make us feel. May it be a poster, a space or even a tiny visual detail.. All of these have the power to shift our emotions without saying a word. I was drawn to that silent influence. I decided that I didn't just want to admire it, I wanted to understand how design works and learn to use it with intention. I wanted to 'create' with my own perspective and touch.

Choosing communication design feels more like choosing a language, It goes more beyond creating something visually appealing. It carries responsibility. It shapes narratives, influences perception and builds connection. Connection with my ideas and people. But on a deeper level, choosing this field was also about choosing my growth. Design challenges me to think critically, emphatically and work relentlessly. All of which drives me to create more.

What excites me most is the possibility within every piece of design that I create. The meaning it can hold, the perspectives it can shift and contributions that I can share to the world around me.

Today, communication design feels natural to me because it aligns completely with how I think, observe and aspire to work ahead.

What inspired you to achieve this endeavour of becoming the Maestro/ Best All rounder i/ Director special i/ Best All rounder ii/ Most Promising of the college?

To be honest, I didn't work with the intention of becoming the " Most Promising" student. What truly inspired me was the idea of leaving every space better, including myself. To become better than I was yesterday by giving more than what is expected.

I was always motivated by the environment around me from the energy of my peers, the guidance of my mentors to the constant exchange of ideas. Being surrounded by people who are ambitious naturally pushes you to rise to your own potential. So I kept saying yes to responsibilities, to new experiences and to spaces that

intimidated me.

At some point, I stopped thinking in terms of achievements and started thinking about the contributions that I made. How can I add value? How can I improve? How can I grow through this? I was building something larger than a single project. I was building my own potential.

More than recognition, this award feels like a reflection of that commitment, not just to my work, but to my growth as a person and as a designer. I see it as a reminder to keep evolving and to live up to that promise every single day.

In our college life, we do a lot of activities like an entrepreneurship, social work, and sports. What was your perspective on co-curricular activities?

For me, co-curricular activities were never separate from learning, they were always extensions of my work.

They pushed me into real world situations where communications, teamwork, leadership and adaptability truly mattered. Whether it was taking initiative, managing responsibilities or working with different people, these experiences have shaped my confidence and decision making.

In many ways, these instances feel a lot, they taught me to understand people, respond to challenges and think on my feet. Design is not created in isolation, it is shaped by interaction, empathy and awareness. Through all these activities, I learned to translate my ideas into action. Just like design, these experiences required balance, intention, and teamwork. They shaped not only how I create, but how I connect. Academics strengthened my skills, but co-curricular activities strengthened my character and both together shaped the designer I am becoming.

So I strongly believe co-curricular activities are preparing us not only for careers but for life.

How do you see your future in this specialization and why do you find it interesting?

I see my future in Communication Design as a continuous journey of exploration. This specialization excites me because it constantly evolves and has adapted to culture, technology, and human behavior. There is always something new to understand and create..

I find it interesting because Communication design

sits quietly at the center of everything .. influencing how people perceive information, experience spaces, and connect with ideas. It is subtle, yet powerful. That balance fascinates me. In the future, I want to create work that feels intentional, work that is thoughtful, creative and human centric. This specialisation has brought me closer to telling meaningful stories and building genuine emotional connections altogether.

What excites me most is that this field allows me to grow endlessly. As I evolve as a person, my design evolves with me. And that ongoing dialogue between who I am and what I create is what makes this journey deeply close to me.

So the future feels like an open canvas and I'm ready to design it !





How did you prepare to reach this level? What habits or practices helped you most?

For me, preparation was never about reaching a level.. it was about shaping myself, little by little, every single day. Growth didn't happen in big leaps, it happened in quiet moments of effort, reflection, and persistence. Showing up regularly even on days that felt tiring made a significant difference.

What truly sustained me through it all was my genuine interest in what I was doing. I was never forcing the process for the sake of it but rather I was curious about everything.

One habit that helped me the most was learning to pause and reflect. After every project or experience, I would sit with it & understand what it taught me, where I fell short, and how I could return stronger. I also chose discomfort over convenience. I said yes to responsibilities that intimidated me, stepped into roles that felt unfamiliar, and allowed myself to learn in public , through mistakes, corrections, and growth. Over time, those small decisions built resilience and confidence.

More than talent, it was my genuine passion for the process, the habit of consistent effort, and the commitment to continuous growth that defined my path. And i look forward to carrying that mindset into everything I pursue ahead.

Share your study tips and career guidance for fellow students.

If I could share something with students, it would be to take your learning one step at a time.You don't have to figure everything out at once. Instead of rushing to complete the task, understanding becomes more important.

Build small habits that support your growth .. like reflecting on your work, asking questions, and seeking feedback. Progress in design doesn't always look dramatic, sometimes it's in the quiet moments of experimentation, iteration, and observation.

Give yourself permission to explore. Try different mediums, collaborate with peers, attend workshops, and immerse yourself in experiences outside the classroom. Pay attention to the world around you, inspiration often comes from the smallest details.

Most importantly, don't put too much pressure on yourself. Design is a process, and everyone's creative journey unfolds differently. Stay curious, stay intentional, and over time, you'll shape a path that feels uniquely yours just like I'm discovering mine, one step at a time.

How has this award shaped your personality and future goals?

This award has been less about recognition and more about reflection for me. It reminds me of the efforts and little choices that I have taken which guided me so far.

It has made me more patient with myself, more grateful for the people and experiences that have guided me, and more aware of the value in small, intentional steps.

On a personal level, it's given me more confidence to trust my own ideas and perspectives. To trust in my potential and keep working harder to achieve more. As for the professional level, it has inspired me so much to dream bigger and to take on work that will challenge me..

Above all, this award feels like a gentle nudge to remind me to keep evolving and staying curious and to approach the future with gratitude and purpose. Most importantly with an open mind and heart !!



मशरी विभाग



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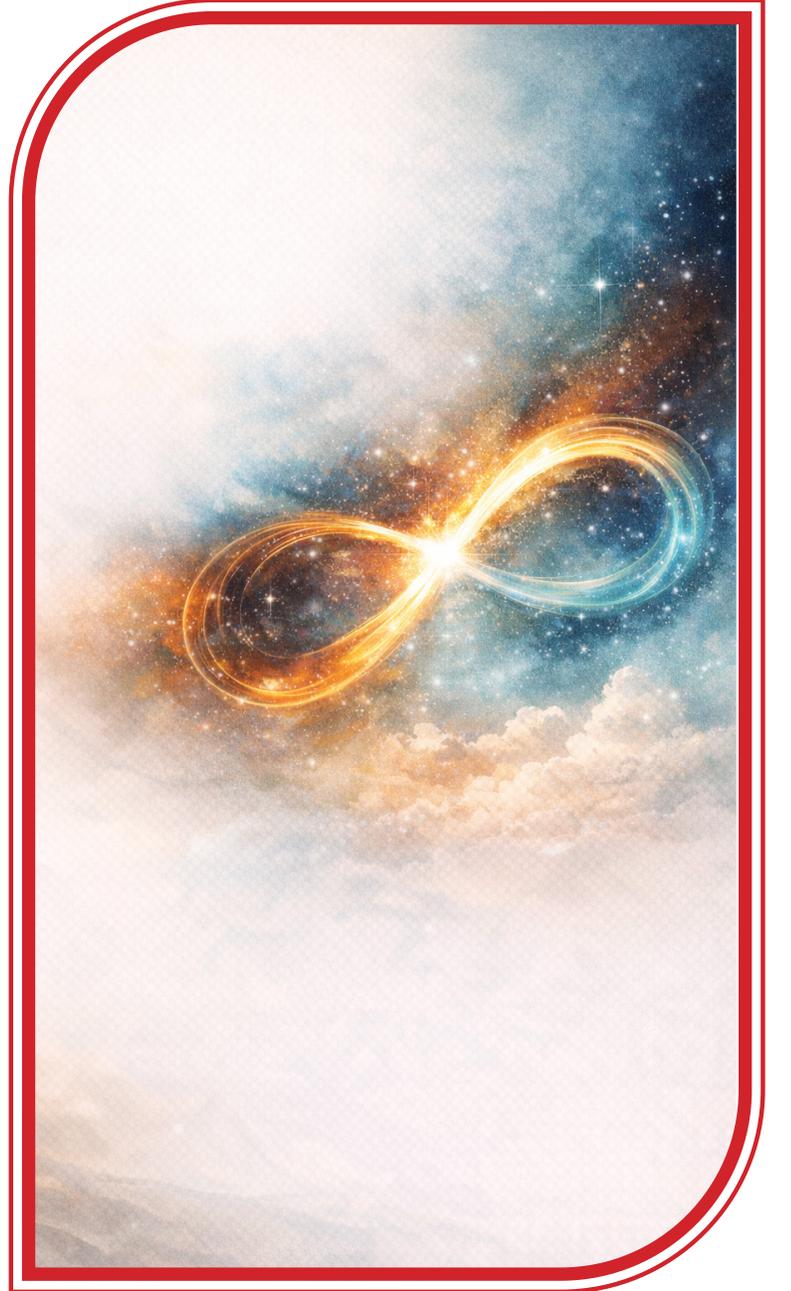
अनंत म्हणजे शक्यत.

प्रत्येक व्यक्तीच्या जीवनात
एक शून्य असते – एक रिकामी
जागा, जिथून प्रवास सुरु होतो.

आणि त्या प्रवासाला मराठी शब्दांची
साथ मिळाली, की तो प्रवास अनंताक
डे झेपावतो.

यावर्षीचा मराठी विभाग हा कल्पनांच्या,
अनुभवांच्या आणि सर्जनशीलतेच्या
प्रवासाला समर्पित आहे. प्रत्येक रचना
ही एका नव्या क्षितिजाची दारं उघडते.

चला, शब्दांच्या या अनंत प्रवासाला
सुरुवात करूया.



अनुक्रमाणिका

Zero to Infinity

1. डॉ अभिजीत सोनवणे मुलाखत
2. शाहीर शिरके मुलाखत
3. मी तिच्यासाठी
4. खरी मैत्री
5. बाबा
6. असंच असतं का ग बाईच जीवन ?
7. जगणं
8. उडणार पाखरू
9. विद्यार्थी जीवन आणि संघर्ष





विशेष मुलाखत

डॉ. अभिजीत सोनवणे

आज जी तुम्ही सेवा करत आहे ती सेवा कशी सुरु झाली, "भिकाऱ्यांचा डॉक्टर" हा प्रवास कसा सुरु झाला?

डॉ. अभिजीत सोनवणे यांच्या या कार्याची सुरुवात एका कृतज्ञतेच्या भावनेतून झाली. एका भिक्षेकरी आजोबांनी त्यांना भूतकाळात मदत केली होती. ज्यावेळी डॉक्टर स्वतः सक्षम झाले आणि त्यांना वाटले की आता आपण घेतलेल्या कर्जाप्रमाणे या मदतीची परतफेड करावी, तेव्हा दुर्दैवाने त्या आजोबांचा मृत्यू झाला होता. त्यांना कधीच थेट मदत परत करता आली नाही, म्हणून त्यांच्या स्मृतीप्रित्यर्थ आणि त्या मदतीची परतफेड म्हणून डॉक्टरांनी 15 ऑगस्ट 2015 पासून रस्त्यावरील लोकांसाठी हे सेवाकार्य सुरु केले.

तुमचा दिनक्रम आणि सेवा करत असतानाचा अनुभव कसा असतो?

डॉक्टर रोज सकाळी नऊ वाजता घर सोडतात आणि संध्याकाळी सहा-सात वाजेपर्यंत या लोकांमध्ये कार्यरत असतात. ते त्यांच्यातच बसतात आणि त्यांच्यासोबतच जेवण करतात. या कामामुळे त्यांना शेकडो आई, आजोबा आणि मुले मिळाली आहेत, जो अनुभव त्यांच्यासाठी खूप मोलाचा आहे. कडक उन्हात काम करताना हेच भिक्षेकरी लोक डॉक्टरांना चटके लागू नये म्हणून खाली पोती किंवा फ्लेक्स अंथरतात. काही वृद्ध महिला त्यांना पदराने वारा घालतात आणि जेव्हा डॉक्टरांचे हात कामात माखलेले असतात, तेव्हा त्या स्वतःच्या हाताने त्यांना पाणी पाजतात. हा मायेचा ओलावा त्यांना केवळ आईच्या प्रेमाची आठवण करून देतो

आज जी सेवा करताय त्या सेवेसाठी तरुणांना काय प्रेरणा किंवा सल्ला द्याल?

तरुणांना उद्देशून डॉक्टर म्हणतात की, आपले कामधंदा सोडून सेवा करण्याची काहीही गरज नाही. एखाद्या बुडणाऱ्याला वाचवण्यासाठी आधी स्वतःला पोहता येणे आवश्यक असते, तसेच आधी स्वतःच्या पायावर उभे राहून स्थिर व्हा. समाजाची सेवा करण्यापूर्वी आपल्या घरातील आई, वडील, पत्नी आणि बहीण यांच्या जबाबदाऱ्या पूर्ण करा. सेवा ही मनातून येणारी उत्स्फूर्त प्रक्रिया आहे, ती कोणाचे अनुकरण करून किंवा ठरवून होत नाही. अगदी मुक्या प्राण्यांसाठी घराबाहेर पाण्याचे भांडे ठेवणे, ही सुद्धा एक मोठी सेवाच आहे.



तुमचा एक अविस्मरणीय अनुभव सांगा.

कोविड काळात डॉक्टरांनी एका मरणासन्न व्यक्तीला रुग्णालयात दाखल करून त्याचे प्राण वाचवले होते. पुढे जाऊन याच व्यक्तीने रस्त्यावर भेटलेल्या एका निराधार वृद्ध महिलेला आपली आई मानून दत्तक घेतले. "मला आई नाही आणि तिला

पोर नाही, म्हणून आम्ही एकमेकांचे माय-लेकरं झालो," असे त्या मुलाने डॉक्टरांना सांगितले. ही प्रेरणा आपल्यामुळेच मिळाली असल्याचे त्याने सांगताच तो क्षण डॉक्टरांसाठी अविस्मरणीय ठरला.

हे काम करत असताना असा कधी विचार आला आहे, हे काम आता थांबवलं पाहिजे किंवा सोडून दिलं पाहिजे?

हे काम करताना त्यांना प्रचंड सामाजिक विरोधाचा सामना करावा लागला. लोक त्यांच्यावर संशय घ्यायचे की ते भिकाऱ्यांच्या किडन्या विकतात किंवा त्यांना चुकीच्या कामात अडकवतात. लोकांनी त्यांना अनेकदा चपलांनी आणि बुटांनी मारले. या सर्व त्रासामुळे दिवसातून एकदा तरी हे काम बंद करावे असे त्यांना नक्कीच वाटते. मात्र, दिवसाच्या 24 तासांपैकी 99 वेळा त्यांचे अंतर्मन त्यांना सांगते की, हे काम त्यांनीच केले पाहिजे आणि ते आपले कार्य सुरु ठेवतात.





विशेष मुलाखत

शाहीर श्रीकांत शिरके

शाहीर श्रीकांत शिरके – लोककलेतून समाजप्रबोधन करणारा आधुनिक आवाज

श्रीकांत शिरके हे आजच्या पिढीतील असे शाहीर आहेत ज्यांनी पारंपरिक लोककलेला आधुनिक संवेदनशीलतेची जोड देत समाजाशी थेट संवाद साधला आहे. शाळेतून सुरु झालेला त्यांचा शाहीरीचा प्रवास आज सामाजिक परिवर्तनाचं प्रभावी माध्यम बनला आहे. इतिहास, संस्कार, समाजप्रबोधन आणि राष्ट्रभावना या सगळ्यांचा सुंदर संगम त्यांच्या प्रत्येक पोवाड्यात दिसून येतो.

1) सर्वप्रथम, शाहीरी कलेशी तुमचा प्रवास कधी आणि कशा प्रकारे सुरु झाला?

माझा शाहीरी कलेचा प्रवास साधारण आठ वर्षांपूर्वी शाळेपासून सुरु झाला. इतिहास दिनानिमित्त शाहीरी

कार्यक्रम आयोजित करण्याचा विचार होता, मात्र बाहेरचे कलाकार उपलब्ध झाले नाहीत. तेव्हा आमच्या मुख्याध्यापकांनी मला स्वतः प्रयत्न करण्यासाठी प्रोत्साहित केलं. त्या क्षणी मी पहिल्यांदा पोवाडा लिहिला आणि सादर केला.

पुढे माझे गुरु शाहीर सम्राट डॉ. देवानंद माणिक यांच्याशी संपर्क झाला. त्यांनी माझ्या लिखाणात सुधारणा करून मला योग्य दिशा दिली. “तुमचा हात लिहित आहे” हे त्यांचं वाक्य माझ्यासाठी प्रेरणास्रोत ठरलं आणि त्याच क्षणापासून शाहीरी ही केवळ एक प्रयोग न राहता माझ्या आयुष्याचा अविभाज्य भाग बनली.

2) एखादा कार्यक्रम असा झाला आहे का जो तुम्ही कधीच विसरू शकणार नाही?

होय, असा एक कार्यक्रम आहे जो माझ्या मनात कायम कोरला गेला आहे. एका वस्तीमध्ये अत्यल्प मानधनावर कार्यक्रम करायचा होता. आर्थिक दृष्ट्या तो परवडणारा नव्हता, तरीही लोककला आणि मुलांसाठी म्हणून मी तो स्वीकारला.

कार्यक्रमानंतर लोकांचा उत्स्फूर्त प्रतिसाद पाहून आयोजक भारावून गेला. दुसऱ्या दिवशी त्याने स्वतःहून जास्त मानधन पाठवत सांगितलं की, "तुमची कला



या रकमेपेक्षा कितीतरी मोठी आहे." त्या क्षणी मला जाणवलं की निस्वार्थ भावनेने केलेली कला कधीच व्यर्थ जात नाही.

3) शाहीरी तुमच्यासाठी काय आहे – आवड, जबाबदारी की आयुष्याचं ध्येय?

सुरुवातीला शाहीरी माझ्यासाठी केवळ एक आवड होती. पण जसजसा अभ्यास वाढत गेला, गुंठकडून शिक्षण मिळालं, तसतशी तिची खोली समजत गेली. आज ती माझ्यासाठी जबाबदारीसुद्धा आहे आणि आयुष्याचं ध्येयसुद्धा आहे.



मला आता जाणवतं की ही कला केवळ मनोरंजनासाठी नसून समाजप्रबोधनाचं माध्यम आहे. राष्ट्र घडवण्याच्या प्रक्रियेत शाहीरीचं मोठं योगदान असू शकतं – ही भावना माझ्या प्रत्येक सादरीकरणामागे असते.

4) शाहीरी करताना तुम्ही विषयांची निवड कशावरून करता?

इतिहास हा माझा मुख्य आधार आहे, मात्र मी केवळ प्रसिद्ध घटनांपुरता मर्यादित राहत नाही. जे पैलू फारसे मांडले गेले नाहीत – जसं की शिवरायांचा स्त्री सन्मान, सामाजिक समरसता, प्रजेबद्दलची संवेदनशीलता – हे लोकांसमोर आणण्याचा माझा प्रयत्न असतो.

5) शिवरायांचा पोवाडा सादर करताना तुम्हाला सर्वात जास्त अभिमानाचा क्षण कोणता वाटतो?

शिवाजी महाराजांनी आपल्या आईच्या आज्ञेचं निष्ठेने पालन केलं तो प्रसंग सादर करताना मला सर्वात जास्त अभिमान वाटतो. त्या कथेतून मी तरुण पिढीला हे सांगू इच्छितो की आईचा सन्मान आणि तिच्या शिकवणी आयुष्य घडवतात.

जेव्हा हा प्रसंग सादर करताना प्रेक्षकांच्या डोळ्यांत अश्रू येतात, तेव्हा मला वाटतं की माझी कला लोकांच्या मनाला भिडली आहे.

6) तुमच्या मते, शाहीरी ही केवळ कला आहे की सामाजिक जबाबदारीही आहे?



शाहीरी ही केवळ कला नसून ती मोठी सामाजिक जबाबदारी आहे. शाहीर हा समाजाचा आरसा असतो. समाजात घडणाऱ्या अन्याय, चुकीच्या प्रथा आणि सामाजिक प्रश्नांवर आवाज उठवणं हे त्याचं कर्तव्य आहे.

आज काही ठिकाणी प्रसिद्धी आणि पैशासाठी शाहीरीचा वापर होतो, पण असं झालं की कलेचा आत्माच हरवतो. खरी शाहीरी ही समाजासाठी असते.

7) शिवचरित्रावर पोवाडा सादर करण्याची प्रेरणा तुम्हाला कशी मिळाली?

मला अनेक महान विचारवंत आणि अभ्यासकांचा सहवास लाभला. विशेषतः स्व. ज्ञानेश पुरंदरे यांचं शिवचरित्र कथन ऐकून मी भारावून जायचो. त्याशिवाय मंदार परळीकर, भालचंद्र पुरंदरे, निनाथ बेडेकर यांच्यासारख्या अभ्यासकांकडून खूप काही शिकायला मिळालं.

माझे गुरु शाहीर सम्राट डॉ. देवानंद माणिक यांच्या मार्गदर्शनामुळेच मला शिवचरित्र सादर करण्याची खरी समज आणि दिशा मिळाली.

8) तुम्ही इंग्रजी विषयाचे शिक्षक असूनही शाहीरी कशी सांभाळता?

गुरुंच्या आदेशानुसार मी नोकरी आणि कला दोन्ही प्रामाणिकपणे सांभाळतो. शिक्षक असल्यामुळे मला पोवाड्यांचा आशय इंग्रजीत तात्काळ समजावून सांगता येतो, त्यामुळे वेगवेगळ्या भाषिक पार्श्वभूमीतील प्रेक्षकांपर्यंत ही कला पोहोचते. ओढ खूप लागते, थकवा येतो, पण गुरुआजा आणि कलेवरील प्रेम यामुळे हे सगळं आनंदाने करतो.

9) आजच्या तरुण पिढीबद्दल तुमचं मत आणि प्रेरणादायी संदेश

आज सोशल मीडियामुळे तरुण पिढी काहीशी लोककलेपासून दूर जात असल्यासारखी वाटते, पण त्याच वेळी अनेक तरुण या माध्यमातून लोककलेकडे आकर्षितही होत आहेत. मात्र 30 सेकंदांच्या

व्हिडिओपुरती कला मर्यादित ठेवणं धोकादायक आहे.
माझा तरुणांना संदेश असा आहे की –

लोककला ही वरवरची नाही, ती खोल अभ्यासाची कला आहे. पोवाडा सादर करण्याआधी इतिहास समजून घ्या, शब्दांचा अर्थ जाणून घ्या आणि भावना अनुभवा. अभ्यासाशिवाय स्टेजवर जाणं म्हणजे कलेवर अन्याय करणं आहे. शाहीर होणं म्हणजे इतिहास जिवंत ठेवण्याची जबाबदारी स्वीकारणं होय.



मी तिच्यासाठी

कधी माझा हात तिच्या मायेसाठी,
तर कधी तोच हात तिला धडा
शिकवण्यासाठी....

कधी खांदा तिच्या आरामासाठी,
तर कधी तोच खांदा तिच्या आधारासाठी.....

कधी माझा आवाज तिला हसण्यासाठी,
तर कधी तोच आवाज तिला सावध
करण्यासाठी.....

कधी माझा हसरा चेहरा तिच्या सगळ्या
गोष्टींना प्रतिक्रिया देण्यासाठी,
तर कधी तोच हसरा चेहरा तिच्या
शांततेला समजून घेण्यासाठी.....

कधी माझी मिठी तिच्या छोट्यातल्या
छोट्या उदासीसाठी,
तर कधी तीच मिठी तिच्या
मोठ्यातल्या मोठ्या आनंदासाठी.....

म्हणूनच म्हणते मी मनापासून,
मी अशी तिच्यासाठी....
आणि ती माझ्यासाठी.....

मी तिच्यासाठीच.....

खरी मैत्री

काही जण अगदी श्वासासारखे जवळ,
तरी मनाच्या कप्प्यात न पोहोचलेले.

न सांगता, न मागता,
हळूच दूर व्हावं लागतं...
मन नको असतानाही.

शब्द थोडे, अर्थ खोल,
गैरसमजांची सावली वाढत जाते.
ते अबोलपणे चिडून बसतात,
आणि मैत्री हळूच थकून जाते.

जिथे प्रश्नांपेक्षा विश्वास जिंकतो,
आणि रागाआधी समजूत येते,
मौनालाही जिथे प्रेमाची भाषा असते
तीच ओळख असते
खऱ्या मैत्रीची



**Devyani
Malatkar**



**Revati
Bhosale**

बाबा

आई भावनेत ओघळते, बाबा मात्र शांत राहतो,

तो बोलत नाही जास्त पण खूप काही करून दाखवतो.

जिवन जगण्याचे धडे तो आयुष्यभर देतो,

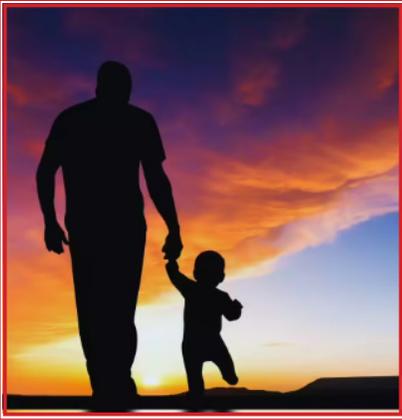
आणि दुःखातही हसून जगण्याची कला

तो रोज जगूनच दाखवतो.

रोजच्या ताणातही त्याचा चेहरा झळाळतो,

पोरुंगं हसावं म्हणून स्वतःच रडणं थांबवतो,

अन् पाठीवर हात फिरवून 'मी आहे रे' असं सांगतो.



**Yash
Sabale**



**Devyani
Malatkar**

असंच असतं का ग बाईचं जीवन ?

किती ते घाबरणं
किती ते प्रेम,
किती ती माया,
ओझंच वाटतं का ग बाईचं जीवन....

किती ते सहन करणं
किती त्या वेदना,
किती ते एकटेपण
किती ते अधुरे नाते,
असंच असतं का ग बाईचं जीवन....

किती ते स्वप्न पाहणं,
किती त्या मर्यादा
उंबरठ्याच्या अलीकडे अडकलेली प्रत्येक आशा,
जडच वाटतं का ग बाईचं जीवन....

किती ते पडणं,
कितीदा त्यातून उठणं
प्रत्येक वेदनेतून स्वतःला घडवणं,
ताकद ठरतं का ग बाईचं जीवन....

किती ते गप्प राहणं
किती ती सहनशीलता,
किती तो आवाज दडवून
जपलेली शांतता,
तरीही जडच वाटतं का ग बाईचं जीवन....

जगणं

मनात आहेत खूप आशा परंतु
अविचारांमुळे सतत येत असतात निराशा ।

सतत वाटतं आशेचा एक किरण दाखवून देणारं
कोणीतरी हवं,
सतत प्रश्न पडतो काय करावं? कसं जगावं?

जगणं म्हणतं जगण्यातून शिकावं,
आणि शिक्षण म्हणतं शिकता शिकता जगणं
जगावं ।

सुख दुःख तर जगण्यातली जशी ऊन सावली,
जर वाईट विचार मनात आला तर
आठवावी आपली पंढरीची विठू माऊली ।

दुःखाचा फेरा ना कोणाला चुकणार ना कोणाला
चुकला
जो धैर्याने लढला तो जगला नाहितर
उभ्या आयुष्याला मुकला ।

कितीही येऊ द्या समस्या, कितीही येऊ द्या
अडचणी,
माणसाने कितीही मोठे झाले तरी
न विसरावी आपली जननी ।

आईबापांची कष्ट हाच एक आशेचा किरण,
फुलांसोबत काटे हेच आपलं जीवन ।



**Netra
Rajmane**

उडणारं पाखरू

डिसेंबरची सुरुवात, प्रॅक्टिकलचा वादळ, थिअरीची घाई,
या 2025 च्या धावपळीत मन मात्र थकलेलं जाई.

दिवस जड, रात्र लांब, टेन्शनचं जाळं गुंतलेलं,
पण मनात एकच स्वप्न "घरी जायचं!" जपलेलं...!!

पेपर संपला, बॅग भरली, स्टेशनवर पाऊल ठेवलं,
या छोट्याशा पाखरानं घराच्या दिशेने पंख उंचावलं.
ट्रेनच्या खिडकीतून दिसणारे शहर मागे सरत राहिलं,
एकटेपण मागे पडलं, आनंदाने मन फुलत राहिलं...!!

घराची दारं उघडली, आईचे ओले डोळे, बाबा हसले,
एक क्षणात ताण, आक्रोश, अंधार सारे पळाले.
आई म्हणे "काय खायचं बाळा?" काळजीतून प्रेम उसळत,
बाबा म्हणतात "चल, फिरून येऊ" मन आनंदात बहरत...!!

भावासोबत खेळ, खोड्या, हास्याचा वर्षाव,
होस्टेलची एकाकीपणाची रात्र, इथे फक्त सुखाचा ठाव.
आणि रात्री आजीच्या मांडीवर डोकं ठेवून झोपणं,
ही उब, हा स्पर्श जगण्याचा खराखुरा अनमोल क्षण...!!

या डिसेंबरात, 2025च्या प्रवासात,
हे पाखरू समजलं एक सत्य—
"घर हेच खरं स्वर्ग, तिथे मन खरं उडणारं पाखरू बनतं...!!"



**Revati
Bhosale**

विद्यार्थी जीवन आणि संघर्ष

Instagram बघता बघता वेळेचा अंदाज लागत नाही
डोळे उघडे असून झोपलेला मेंदू 23 तासांशिवाय जागत नाही

वेळ वाया गेला म्हणून पश्चात्तापाची बादली भरत जाते
वेळ वाया गेला म्हणून अभ्यासाची इच्छा पण मरत जाते

तरीही मनाला रडत बसणं पटत नाही
तरीही जीवाला झोपून घेणं बरं वाटत नाही

मग काय मग,
हातात पेन डोळ्यात झोप
चांगलं कॉलेज भेटलं पाहिजे हा घरच्यांचा निरोप

लिहिता लिहिता डोळ्यातले पाणी वहिच्या पानाला भिजवतात
लिहिता लिहिता घरच्या आठवणी माझ्या मनाला सजवतात

डोकं ठेऊन झोपायला आवडायचं मला आईच्याच कुशीवर
आता तर डोळ्यातून आसूच पडतात माझ्या उशिवर

इकडे तिकडे नजर फिरवताना पण मला आईचा चेहरा आठवतो
आठवतो माझा बाप जो रोजचा हिशेब जोडून माझ्यासाठी पैसे साठवतो.

ह्या वेळेस शब्द अडखळणार नाही
ह्या वेळेस वाक्य पण धडपडणार नाही
चुका नक्कीच होतील थोड्या काही
पण मी जिकल्याशिवाय परत येणार नाही
मी जिकल्याशिवाय परत येणार नाही.

Vishv
Chauhan



विचार एकदा मनाला नक्की हवंय तरी काय?
कविता प्रकार - 'उद्वेग'

नाजुक ते मन का होई उतावीळ
कोवळा हा जीव माझा तुटे तीळ तीळ
लहानपण माझे वाटे जगलोच नाही
पाणावलेले डोळे वाट संधीची पाही...

जुळवून घेत सगळ्याशी आयुष्य पुढे सरले
विचार येतो मनी आता हाती काय उरले?
कशाची ही स्पर्धा नक्की हवंय तरी काय?
नुसत्या विचारांच्या ओझ्याने, गळून जातात पाय
भौतिक साऱ्यांच्या अपेक्षा, कुणी मन जाणत नाही
घुसमटलेल्या मनाची आत होते लाही लाही

कसलं ते शिक्षण आणि कसली ती पदवी
जो-तो आपल्याच मुकुटाला इथे कौतुकाने मढवी
आहेस कोण तू अन् तुझं अस्तित्व तरी काय ?
राम-कृष्ण गेले तरी हे जग थांबलं काय ?
अरे, कसला आहे माज तुला, तू मिरवतोस भारी
केवळ काही दिवसांची ही शोभा आहे रे सारी...

मन नाही जाणत तो कसला आलाय माणूस
तोडदेखलेपणाचा निदान आव तरी नको आणूस
काळ सरतोय पुढे, मन मागे ओढीत जाय
विचार एकदा मनाला नक्की हवंय तरी काय...
विचार एकदा मनाला नक्की हवंय तरी काय..

ये वक्त जरा अदब से पेश आ,
वक्त को बदलने में वक्त नहीं लगता ।



वो भी कितने अजीब हैं,
सबको एक ही नजर से देखते हैं,
हम तो चले कृष्ण के रास्ते,
हम अर्जुन में अर्जुन और
दुर्योधन में दुर्योधन देखते हैं।



शर्तो पे करना हैं तो व्यापार करो,
प्यार तो बेशर्त होता हैं ।



माझ्याच मनातलं

माझ्या मनातलं
सारं काही त्या
उजाडणाऱ्या दिवसांमध्ये
आणि त्या रात्रीच्या
प्रहरामध्ये दडलंय...

दिवसा लख्ख उघड्या
आणि रात्री
अरधोमिलीत डोळ्यांमध्ये
शरीराच्या रंधारंध्रातून
मनाला, शरीराला
हव्याहव्याशा अशा
काही जाणिवा फिरत असतात...

त्याच जाणिवा ज्यांचा
पुरेपूर संबंध
माझ्या स्वप्नांशी, भावनांशी
आयुष्यातल्या वेदनेशी
आणि खास करून
माझ्यातल्या माझ्याशी
खूप जवळचा आहे...

- मंकु

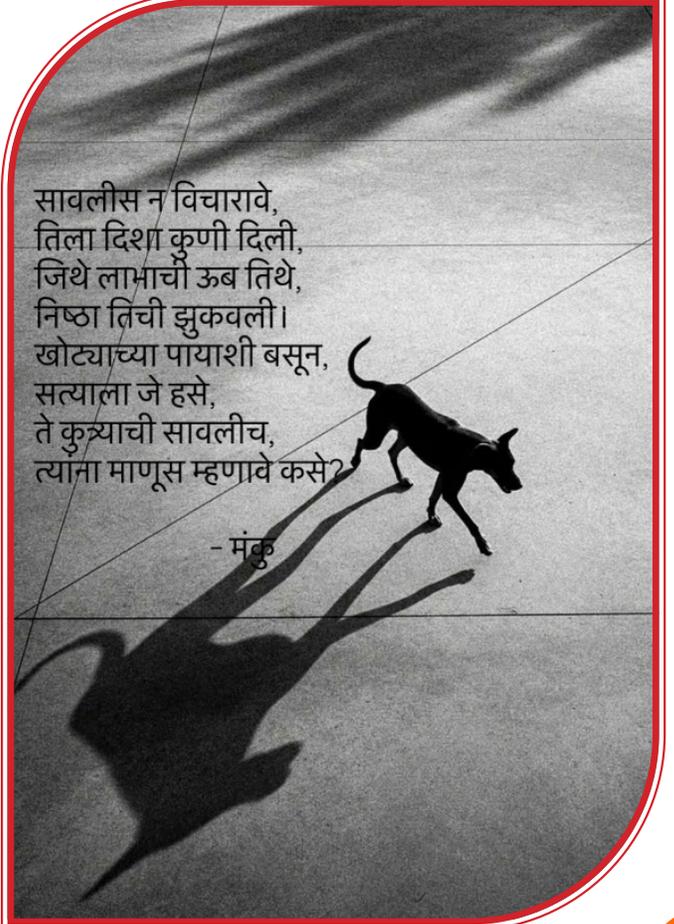
जीविते मानवत्व हरपले धुळीत,
मरणे पिंड अडके काकाच्या
चोचीत।
ज्याच्या शिवण्याने खुले
भवसागर द्वार,
तो काक ठरे श्रेष्ठ, माणूस
निराधार ॥

- मंकु



सावलीस न विचारावे,
तिला दिशा कुणी दिली,
जिथे लाभाची ऊब तिथे,
निष्ठा तिची झुकवली।
खोट्याच्या पायाशी बसून,
सत्याला जे हसे,
ते कुत्र्याची सावलीच,
त्यांना माणूस म्हणावे कसे?

- मंकु



-मंदार कुलकर्णी

HOD , Communication Design
Head,Campus Branding

हिंदी विभाग



आवाज

हिन्दी विभाग

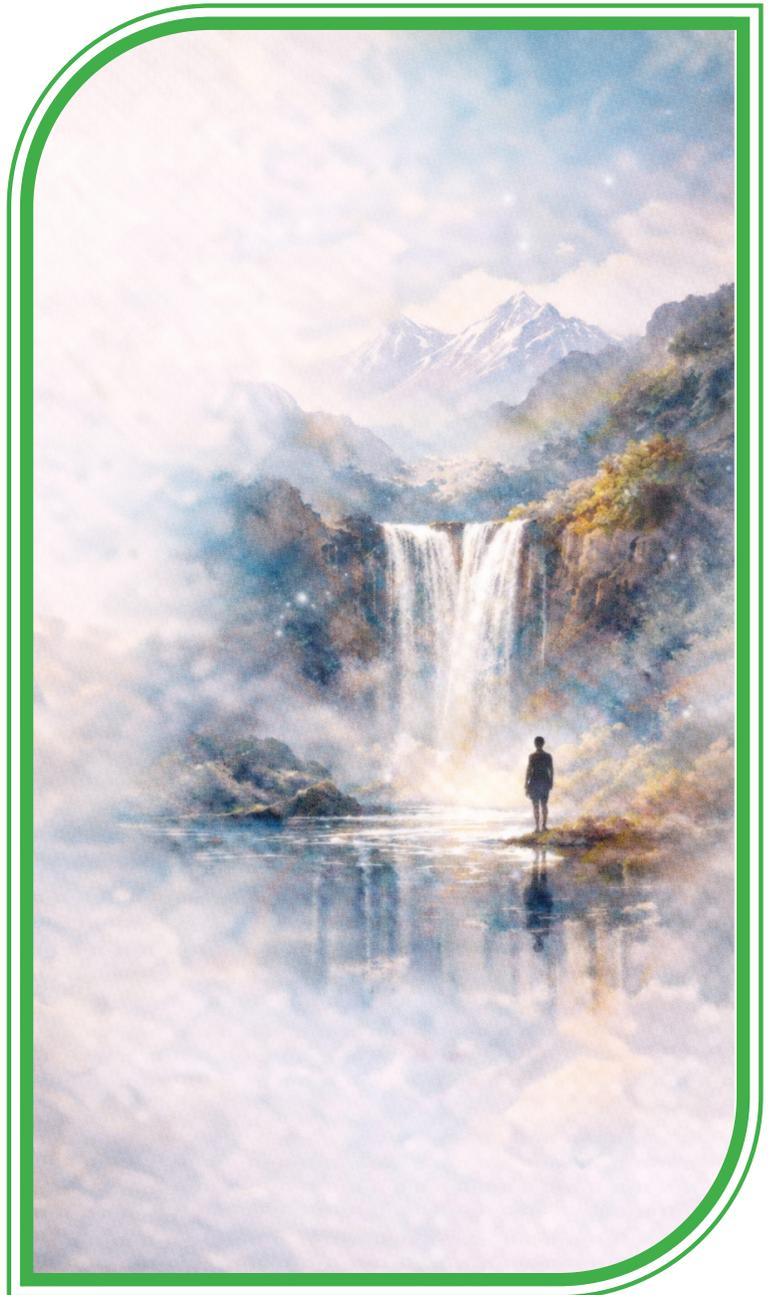
खामोशी के भीतर
एक धीमी सी आवाज़ रहती है,
जो अक्सर सुनाई नहीं देती —
पर महसूस ज़रूर होती है।

भीड़ के शोर में
वो दब जाती है,
पर सपनों की रातों में
फिर से जाग उठती है।

वो कहती है —
मत डर सीमाओं से,
मत रुक हालातों से,
तू खुद अपनी दिशा है।

हर इंसान के भीतर
एक ब्रह्मांड बसता है,
जहाँ इच्छाएँ तारों सी चमकती हैं
और हौसले सूरज सा जलते हैं।

जब तुम खुद को पहचान लेते हो,
तो रास्ते खुद बन जाते हैं —
क्योंकि असली सफ़र
बाहर नहीं,
भीतर से शुरू होता है।



अनुक्रमाणिका

Zero to Infinity

1. कुछ जीतकर भी जीना बाकी है
2. शून्य ते अनंत
3. मेंदू और हृदय



कुछ जीतकर भी जीना बाकी है

कुछ जीतकर भी जीना बाकी है...
कहते हैं,

जिस सफ़र को पूरा न कर सको,
उसे एक ख़ूबसूरत मोड़ देकर विदा करना चाहिए।

मैंने भी कुछ ऐसे ही सफ़र की शुरुआत की थी,
कुछ ख़्वाहिशें लेकर,
कुछ उम्मीदें लेकर चल पड़ी थी ज़िंदगी,
मन में कुछ उमंग भरकर।

अपनों का साथ हो,
खुशियों की बरसात हो,
जिसके साथ बीते ये ज़िंदगी,
बस ऐसा एक हाथ हो।

झूमूँ मैं बेफ़िक्र,
हँसूँ मैं बेफ़िक्र,
गाऊँ मैं बेफ़िक्र,
नाचूँ मैं बेफ़िक्र।

पहाड़ों की ख़ामोशी में,
समुंदर की गहराई में,
दर्ज करूँ मैं मौजूदगी
हर वक़्त की सरगोशी में।

“पापा की शान बनूँ,
माँ का अभिमान बनूँ,
जो मेरे जाने के बाद भी मुस्कुराए,
ऐसे होठों की पहचान बनूँ।”

पर ज़िंदगी में एक मोड़ आया,

ऐसा एक तूफ़ान आया,
पहने सफ़ेद कोट,
ऐसा एक संदेशा आया –

“है कुछ दिनों का ही ये साथ, ज़िंदगी,
फिर छूट जाएगा ये हाथ, ज़िंदगी...”

आ गए हम ऐसे मुक़ाम पर,
धूल चढ़ी ख़्वाबों के आसमान पर।

जब सुकून ढूँढने चल पड़े,
तब नींद ही गँवा बैठे,
और जब नींद ढूँढने चले,
तो ख़्वाब ही गँवा बैठे।

अब इस बीमारी का एक इलाज है –
हर ख़्वाहिशों से परहेज़ है,
और सिर्फ़ वक़्त ही दवा है।

हर बार अब गिरती हूँ,
हर बार सँभलती हूँ,
हर बार टूटती हूँ,
और फिर से नई बनती हूँ।

क्योंकि –
लड़ना ज़िंदगी है, हारना नहीं,
चलना ज़िंदगी है, थमना नहीं।

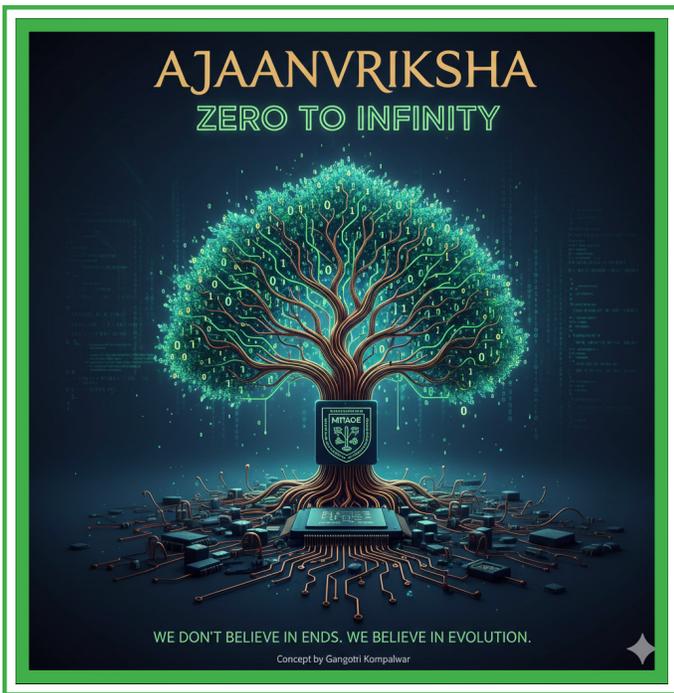
अब जो सफ़र चल पड़ा था,
उसे एक ख़ूबसूरत मोड़ देना बाकी है,
कुछ हारकर जी है ज़िंदगी,
अब कुछ जीतकर भी जीना बाकी है...

कुछ जीतकर भी जीना बाकी है।

– गंगोत्री कोमलवार



लोग कहते हैं, "आसमान ही सीमा है," पर असलियत तो यह है कि सीमा सिर्फ उनके लिए होती है जो डरते हैं। हम इंजीनियर्स हैं, हमारे लिए आसमान सिर्फ शुरुआत है। हमने शून्य (0) को बहुत करीब से देखा है—वो खाली स्क्रीन, वो डेड सर्किट, और कॉलेज का वो पहला दिन जब हमें कुछ समझ नहीं आ रहा था। पर हम वहां रुके नहीं।



शून्य हमारी 'असफलता' नहीं थी; वो हमारा 'लॉन्चपैड' था। MITAOE में हमने सीखा कि कैसे एक छोटे से बिंदु से पूरा ब्रह्मांड बनाया जाता है। 0 से 1 तक का सफर सबसे मुश्किल होता है, लेकिन एक बार गति मिल जाए, तो यह सफर सीधा अनंत (∞) तक जाता है। इंजीनियरिंग की पहली लैब याद है? वो खाली ब्रेडबोर्ड और दिमाग में ढेर सारा उलझन। उस दिन

हम सब एक 'शून्य' थे। पर याद रखिए, शून्य का मतलब 'कुछ नहीं' नहीं होता—शून्य एक संभावित ऊर्जा (Potential Energy) है जो बस फटने का इंतज़ार कर रही होती है। लोग कहते हैं कि शून्य की कोई कीमत नहीं होती, पर उनसे पूछो जो बाइनरी में एक शून्य की गलती से पूरा कोड क्रैश कर देते हैं। शून्य शुरुआत है। शून्य वो नींव है जिस पर हमने अपनी रातें खराब करके अपने सपने खड़े किए हैं।

शून्य से अनंत का रास्ता सीधा नहीं होता। इस रास्ते में कैंटीन की ठंडी चाय है, असाइनमेंट की डेडलाइन का डर है, और वो हैकथॉन हैं जहां हमने 24 घंटे बिना सोए कोडिंग की है। हम MITAOE में सिर्फ डिग्री लेने नहीं आए थे; हम यहाँ अपने 'शून्य' को अपग्रेड करने आए थे। हमने सीखा कि जब सर्किट काम न करे, तो उसे दोबारा शून्य से शुरू करना पड़ता है। और वही 'रीस्टार्ट' करने का जज्बा हमें बाकी सबसे अलग बनाता है।

अजानवृक्ष हमारी मैगजीन का नाम 'अजानवृक्ष' है—एक अमर पेड़। एक बीज (0) मिट्टी में मिलता है, एक पेड़ बनता है, और वो पेड़ हज़ारों नए बीज देता है। यही अनंत (∞) है। हमारा कॉलेज भी वही मिट्टी है। हम यहाँ एक इकाई के रूप में आते हैं, लेकिन जब यहाँ से निकलते हैं, तो हम एक ऐसी विरासत का हिस्सा होते हैं जो कभी खत्म नहीं होगी।

मेंदू और हृदय

इस मैगजीन के पन्नों में आपको सिर्फ टॉपर की तस्वीरें नहीं बल्कि वो 'धैर्य' (Grit) दिखेगा जो हमें शून्य से अनंत तक ले गया। हमने 0 से शुरू किया था, और आज हम वहां हैं जहां से सिर्फ आगे का रास्ता दिखता है। फिनिश लाइन (मंजिल) ढूंढना बंद करें। क्योंकि MITAOE में, हम अंत में विश्वास नहीं रखते। हम निरंतर विकास में विश्वास रखते हैं।

माना की दिमाग होशियार हैं लेकिन दिल के आगे धिमी इसकी रफ्तार हैं

माना की दिमाग कामयाबी का हकदार हैं, लेकिन बेचारा दिल खुश होना चाहता बार बार हैं

माना की शब्दों का वार असरदार हैं मेरी गझल में शब्द दिखते ये शानदार हैं

माना की दिमाग रास्ते दिखाने को बेकरार हैं पर दिल को बस मंजिल का इंतजार हैं

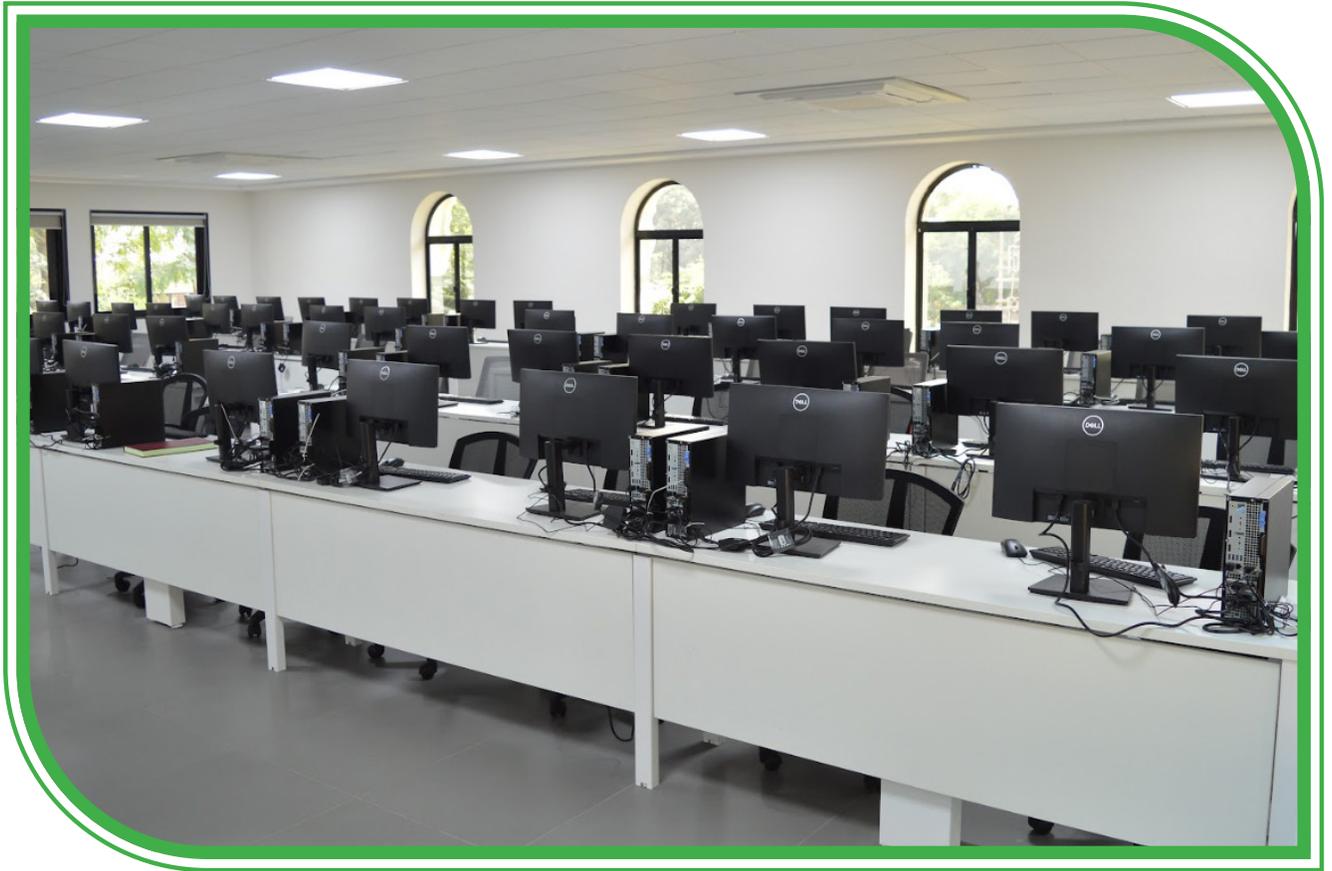
माना की दिमाग समझदार हैं लेकिन कम्बखत दिल के बिना सारी जिंदगी बेकार हैं



**Harshada
Thakur**



**Vishv
Chauhan**





*English
Section*

Becoming

English Section

**I was not built in a single sunrise,
nor shaped by gentle days alone.
I am the echo of storms I survived,
the quiet after thunder has gone.**

**There were nights
that stretched like endless corridors,
where doubt sat beside me
and called itself truth.**

**But even in the dark,
something small refused to dim —
a spark,
soft as breath,
stubborn as hope.**

**I learned that growth
does not announce itself loudly.
It happens beneath the surface —
roots deepening
before branches dare to rise.**

**And now I walk forward
not because I am fearless,
but because I understand
that fear is only a doorway —
and I was meant
to step through.**





Index

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- 7. Poet Speaks**
- 8. The Real Journey**
- 9. The Wait**



Digital World

Him

In the realm of digital dreams we met,
Two souls intertwined by words unseen, Through the
tangled web of social media, Our hearts danced in the
glow of a virtual screen.

Endless conversations, shared laughter and delight,
Our cyber world held promises so bright, Time melted
away in our pixelated world, As we nurtured a connec-
tion that felt soo right.

Yet like a fragile flower, our feelings for each other did
unfold,

For within its petals, secrets were told,
A broken heart, a wounded soul, some things never said,
emotions took its toll.

Silent tears fell, unseen and unheard, As this journey
comes to an unexpected curve,

Our paths diverged, no longer intertwined, Strangers
once more in this vast cyber mind.

No longer do we share the mirthful banter, No longer do
we type words that matter,

But in the depth of our memories, a lingering trace,
Of something that flamed,bright, then lost
its pace.

Yet through the heartache, a lesson we've learned,

In this digital world, love can be burned,
For beneath the screens and the pixels we see,
Emotions and souls yearn for real, not a decree.

So let our story be a cautionary tale,

Of love embraced in the virtual gale,

Seek truth and depth beyond the online gaze,
And let hearts intertwine in reality, not a facade.

Lost is he who can't love the ones he would.
Broken is he who can't trust the ones he should.
Tormented is he who can't talk to the ones he could.
But, dead is he who stopped trying when he could.

Normal is when nobody understands him.
Common is when he changes himself for everyone.

Ordinary is when he forgets how to cry.
And, life is when no one notices he's gone.



**Anshool
Gawande**



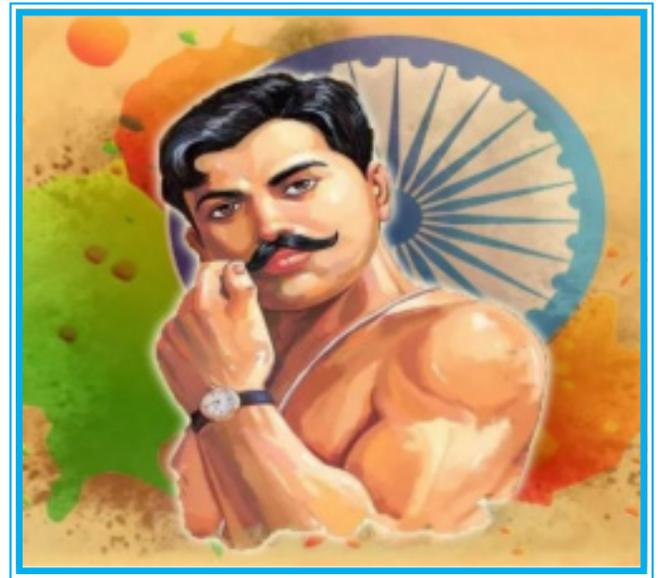
Chandrasekhar Azad

Chandrasekhar Azad (born July 23, 1906, Bhabra, India—died February 27, 1931, Allahabad) Indian revolutionary who organized and led a band of militant youth during India's independence movement. Azad was drawn into the Indian national movement at a young age. When apprehended by the police at age 15 while participating in Mohandas K. Gandhi's noncooperation movement (1920–22) at Banares (now Varanasi), he gave his name as Azad (Urdu: "Free" or "Liberated") and his address as "prison." Although because of his age he was not imprisoned, he was given a severe flogging by the police. The Indian National Congress (Congress Party) soon lionized him, and he gained popularity among the Indian people. Azad was disappointed by Gandhi's suspension of the noncooperation movement in February 1922, after several policemen had been murdered by a revolutionary mob at Chauri Chaura. Joining the radical Hindustan Republican Association (HRA), Azad participated in several violent crimes, notably the Kakori train robbery (1925) and the revenge killing of a British police officer (1928).

Known for his organizational skills, Azad played a key role in reorganizing the HRA as the Hindustan Socialist Republican Association after most of the HRA's members had been killed or imprisoned. His crimes had made him a wanted man, but Azad was able to elude the police and its informants for several years. According to Jawaharlal Nehru's autobiography, it was during this period of underground existence that Azad met Nehru in early 1931 to enquire whether—under the discussions being held that resulted in the signing of

the Gandhi-Irwin Pact in March—the revolutionaries could expect a fair deal leading to their honourable rehabilitation

Determined never to be captured by police, Azad was constantly on the move. On February 27, 1931, Azad arranged to meet a revolutionary at Allahabad's Alfred Park (now Azad Park). He was betrayed to the police, who surrounded him as soon as he entered the park. A gun battle ensued, in which two police officers were who and Azad was fatally shot.



**Mohit
Sharma**





Mechanical Engineering: More Than Machines

When people hear the words Mechanical Engineering, the first thing that comes to their mind is machines, engines, and heavy equipment. Many believe that mechanical engineers only deal with nuts, bolts, and factory work. But in reality, mechanical engineering is much more than machines. It is a field that teaches us how to think, how to solve problems, and how to turn ideas into reality. Mechanical engineering is one of the oldest and broadest branches of engineering. It connects theory with real life. From the fan rotating above our heads to airplanes flying in the sky, from medical devices to electric vehicles, mechanical engineering plays an important role everywhere. Machines are only the visible part; the real strength of this branch lies in design, creativity, and problem-solving. As a mechanical engineering student, I have realized that this branch develops a strong analytical mindset. Subjects like thermodynamics, fluid mechanics, strength of materials, and manufacturing processes may look tough at first, but they train our brain to think logically. They teach us how systems work, how energy is transferred, and how materials behave under different conditions. This understanding helps us not only in academics but also in real-world situations.

Mechanical engineering is also about innovation. An engineer does not simply use existing machines; they improve them. Whether it is making a machine more efficient, reducing energy loss, or designing a new mechanism, mechanical engineers always look for better solutions. Innovation does not always mean big inventions; sometimes small improvements can create a huge impact. Another important aspect of mechanical engineering is hands-on learning. Practical knowledge is as important as theory. Workshops, laboratories, projects, and technical clubs give students the opportunity to apply what they learn in classrooms. When we design, build, test, and fail, we actually learn the true meaning of engineering.

These experiences teach us patience, teamwork, and confidence.

Mechanical engineering also helps in developing soft skills. Working on projects and in teams improves communication skills, leadership qualities, and time management. Engineers often work with people from different backgrounds, so learning to collaborate is very important.

These skills are useful not only in engineering careers but also in everyday life.

In today's world, mechanical engineering is evolving rapidly. With the rise of electric vehicles, renewable energy, automation, robotics, and aerospace technology, the scope of mechanical engineering is expanding. Mechanical engineers are now working closely with electronics, computer science, and data science. This shows that mechanical engineering is not limited to traditional machines but is a part of modern and advanced technology. Mechanical engineering also plays a major role in solving real-world problems. From designing affordable machines for farmers to developing sustainable energy systems, mechanical engineers contribute to society in many ways. They help improve living standards and support national development. This responsibility makes the role of a mechanical engineer very meaningful.

In conclusion, mechanical engineering is not just about machines, it is about ideas, innovation, and impact. It shapes the way we think and prepares us to face challenges with confidence. For those who are curious, creative, and willing to learn, mechanical engineering offers endless opportunities. Being a mechanical engineering student means being a problem solver, a designer, and a creator. Truly, mechanical engineering is much more than machines.

**Nagesh
Khiste**



Shall i Fall in Love Again

They say, fall in love again,
With a shattered heart and eyes wide open.
What if you get it now? What if this is the moment?

Welcome it, like a chapter of life,
Why would you wait for another reason?
Love blossoms every season.
What is taking you so long?
Trust me, you'll be fine,
God himself calls love divine...

But wait...
Shall I fall in love? Again?
With a shattered heart,
That tiny pieces ripped me apart,
If it is a chapter of life,
Then it has walked me through hell.

Breaking down myself, and "I wish I would never fall in love" —
That is what my voice could yell,
Surely the love didn't blossom my season,
In fact, it turned my fairy daydream into a worst nightmare,
I wish my life could've been spared...

Time passed, I took all the shattered pieces and found myself back,
Now every season blossoms love, even in fall
So tell me now...
Shall I fall in love and risk it all?



**Shreeya
Phulari**

Whispers Beyond Time

Is it too much to ask for?
To unravel the threads of time,
To say the unsaid?
To change the course of fate,
To rekindle & let the moment recreate.
To dry the eyes wet,
And forget the regret.
To breathe into the void,
To complete the dreams left devoid.
To be in the reverie,
And untangle the chains of captivity.
To roam in her vestige of echoes,
To get a while away with her in the solace.
To finally swim in her euphony,
And find myself in her sweet melody.
Perhaps it is...
Cuz time's a stubborn keeper of its mysteries,
And the unsaid often finds itself in the shadows of the past...
Yet, I ask, I dream, I hope...
For it is human to hope beyond the grasp.



**Pranav
Pawar**



Poet Speaks

I feel the emotions of a stone,
I can talk with the roads all alone!

I see the view that darkness holds,
I can hear a story no one unfolds!

I dare to find beauty in the thorns,
I can search for silence in the noisy horns!

I write emotions that are often ignored and stories
unread,
I am a poet and I can see life even in the dead!

The Real Journey!

Have had many journeys but
they say the real one is yet to start,
Where there's no need of any
GPS & nothing to be prepared by heart!

It's also very uncertain the roads also are relatively
new,
Blindly walking on a one way path is done by only
a few!

Yes you get some companions too but like day and
night
they'll come & go,
some good experiences is all this journey going to
bestow!!

Ofcourse the journey is going to bring some hard-
ships along,
But if you have self belief the road you take will
never be wrong!!!

Finally when this journey comes to an end,
You will be contained & very proud of yourself my
friend!!!!

The Wait...

You wait for the people who are gone
from your life to get back,
You wait for the shattered pieces of
your emotions to stack!

You wait for the unsung struggle of
your life to unfold,
You wait for some people to empower
you through and hold!

You wait for the good days to come
along your way,
You wait for the worst night to soon
end into a day!

You wait for the right time for things to occur,
You wait for a bright fringe in every
dark situation you suffer!

You wait for every disturbance to just settle down,
You wait for that one person who dares
to fix your crown!

This wait is universal it makes you
know that things that come to you do worth,
Just like in order to live a new life you
wait for a new birth!!!

**Tanaya
Mukhwane**



The Future and Opportunities of Artificial Intelligence in Design

Artificial Intelligence (AI) has emerged as one of the most transformative forces of the 21st century, fundamentally redefining the way we think, create, and innovate. Having worked extensively in the domain of generative AI for nearly five years, and through my experience teaching this evolving technology to design and applied arts students, I have come to recognise its tremendous potential not merely as a tool, but as a creative collaborator.

AI today is not confined to a single discipline; rather, it is deeply integrated across various domains, including web design, social media, advertising, product design, communication design, and user experience design. Its ability to augment human creativity is perhaps its most powerful contribution. Designers are no longer limited by a single line of thought; AI enables the rapid generation of multiple alternatives, offering a wide spectrum of possibilities that may not emerge through conventional ideation processes. This expansion of creative horizons allows designers to explore, iterate, and innovate with unprecedented speed and efficiency. At its core, AI operates on sophisticated systems such as Large Language Models (LLMs) and multimodal learning frameworks. These systems are trained on vast datasets comprising text, images, and videos available across digital platforms. Interestingly, the functioning of AI mirrors the cognitive processes of a human designer. For instance, when prompted to generate an image of a lion playing a guitar, the AI interprets and synthesizes knowledge about both entities. It understands the anatomy of a lion, the structure of a guitar, and the contextual manner in which a guitar is held and played. This synthesis is made possible through pattern recognition and learned associations derived from its training data.

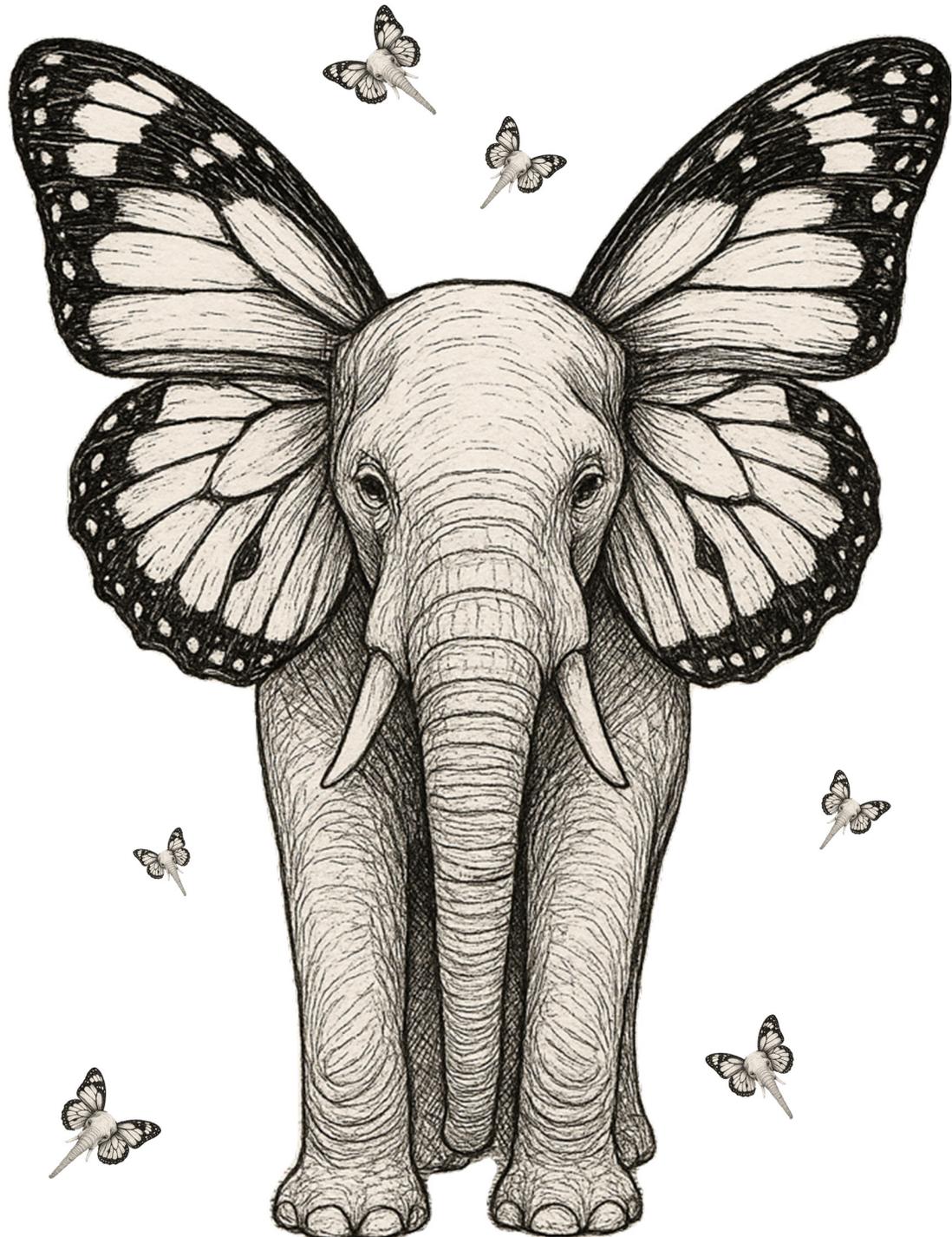
A crucial aspect of AI systems is their feedback-driven learning mechanism. When outputs are inaccurate or misaligned, for example, if the positioning of the guitar or the lion is incorrect, users can provide corrective inputs. This iterative feedback loop refines the output, much like a designer improving a draft through critique and revision. Thus, AI becomes an evolving system, continuously improving through interaction and guidance.

Recognizing the disruptive potential of this technology, design institutions are increasingly integrating AI into their academic frameworks. At MITAOE School of Design, we are committed to fostering a technology-driven learning environment. Our curriculum emphasizes not only proficiency in digital tools but also the strategic and ethical application of AI. We ensure that our students are well-versed in industry-relevant software and are capable of leveraging AI to enhance their creative and professional capabilities.

The implications of AI extend far beyond employability. While it undoubtedly increases job opportunities both in India and globally, it also opens new avenues for entrepreneurship. From research and development to product innovation, from communication strategies to user experience design, AI is reshaping industries and creating new ecosystems of opportunity. Students equipped with AI skills are not just job seekers; they are potential innovators, creators, and leaders of the future. In conclusion, Artificial Intelligence is not a replacement for human creativity; rather, it is an enabler that amplifies it. As educators and practitioners, it is our responsibility to guide students in harnessing this technology thoughtfully and effectively. The future belongs to those who can seamlessly integrate human imagination with machine intelligence, and that future has already begun.

**-Prof. Vivek Magar
MITAOE School of Design**

Art & Photography



Zero to Infinity

Art Section

Every masterpiece begins at Zero—a single, silent point of focus on a blank canvas. It is the moment where grit meets imagination, and the first stroke charts a course toward Infinity. This section of Ajaanvriksha showcases the evolution of our creators, where simple lines transform into complex emotions and raw colors bleed into eternal stories. Just as the universe expands from nothingness into a breathtaking spectacle, our artists weave texture and vision to prove that the journey of creativity is truly limitless.





**Aditi
Barge**



**Avishkar
Bhaskar**



**Avishkar
Bhaskar**

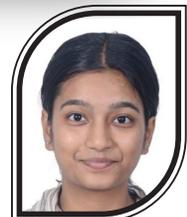


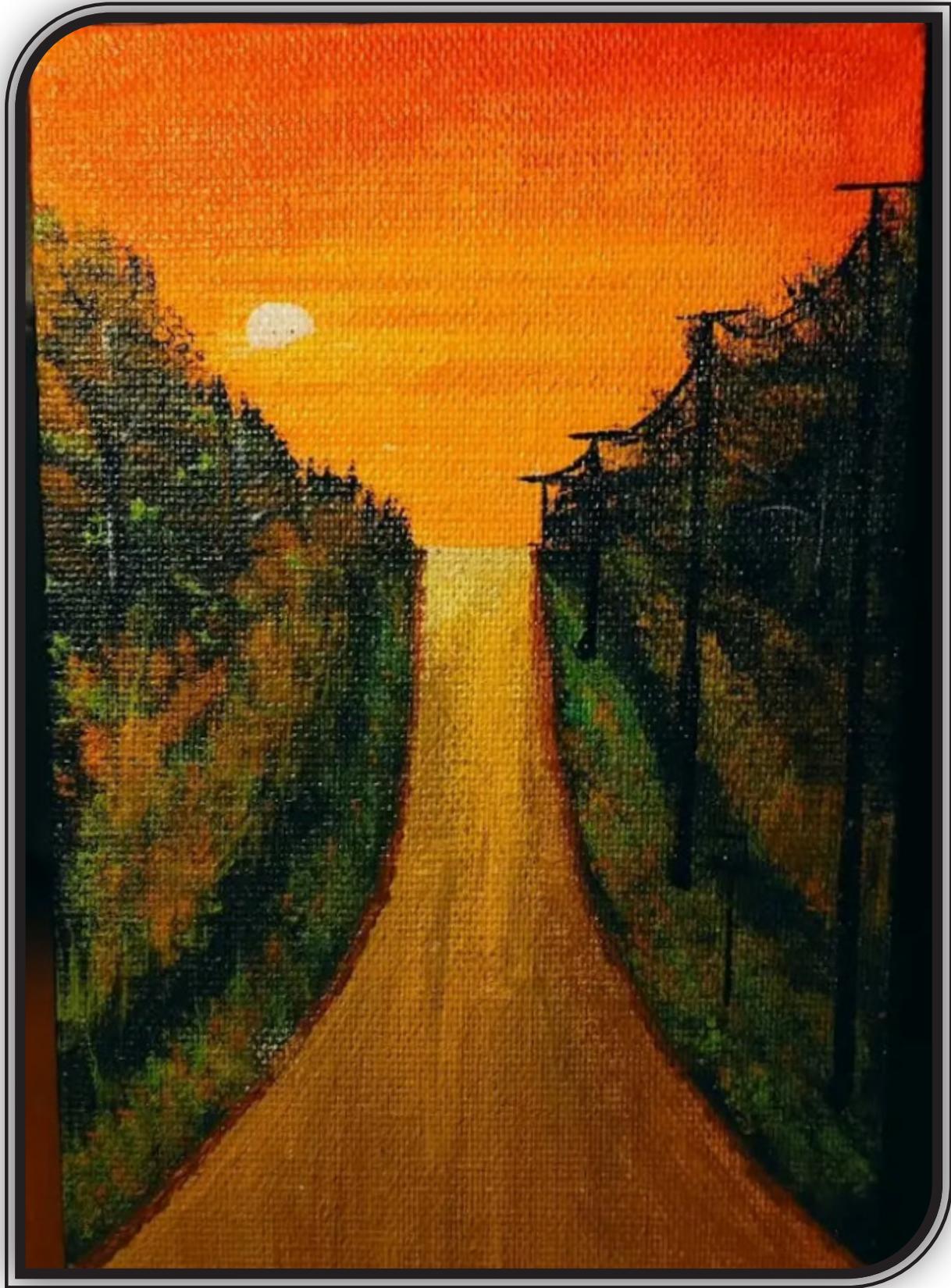
**Sneha
Tidke**





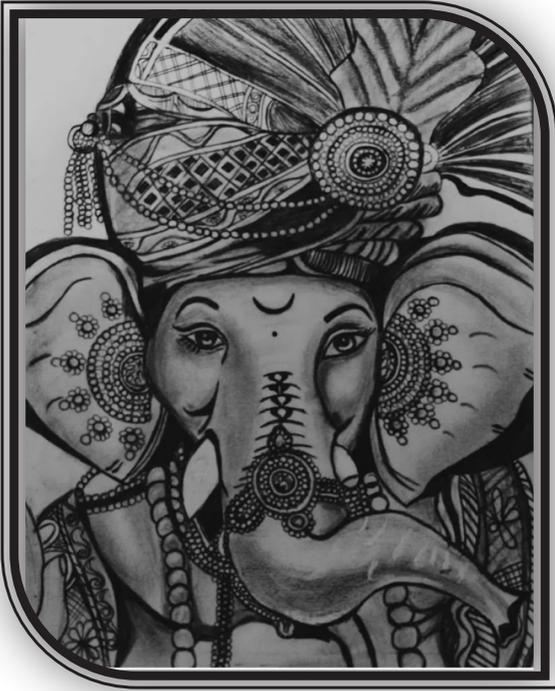
**Shreeya
Phulari**





**Sneha
Tidke**





**Ragini
Telange**



**Rutuja
Sinare**



**Shrutika
Dhondge**

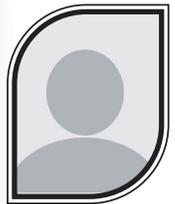


**Shrutika
Dhondge**





**Sneha
Tidke**



**Rupali
Lad**



**Pawan
Bohare**



**Pallavi
Kamble**

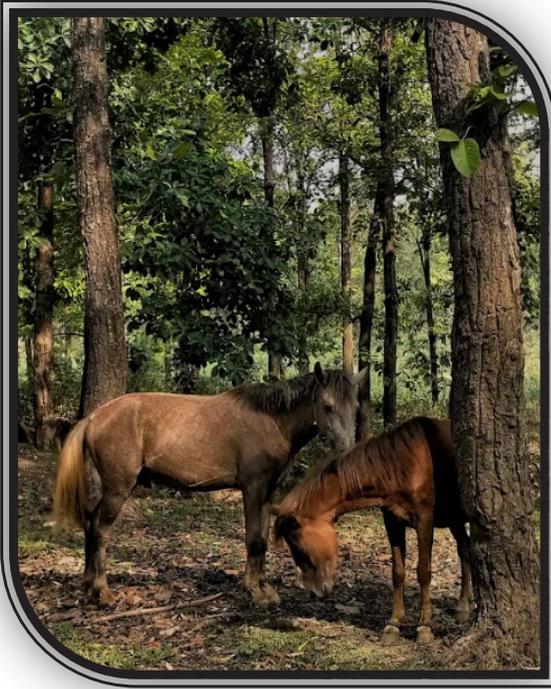


**Shrutika
Dhondge**



**Tanaya
Mukhwane**





**Hardavi
Mangar**



**Hardavi
Mangar**

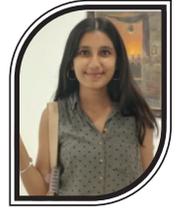


**Pranav
Nikam**

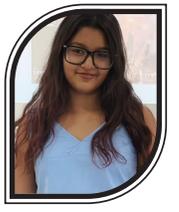


**Pranav
Nikam**





**Asavari
Patil**



**Suhani
Varade**



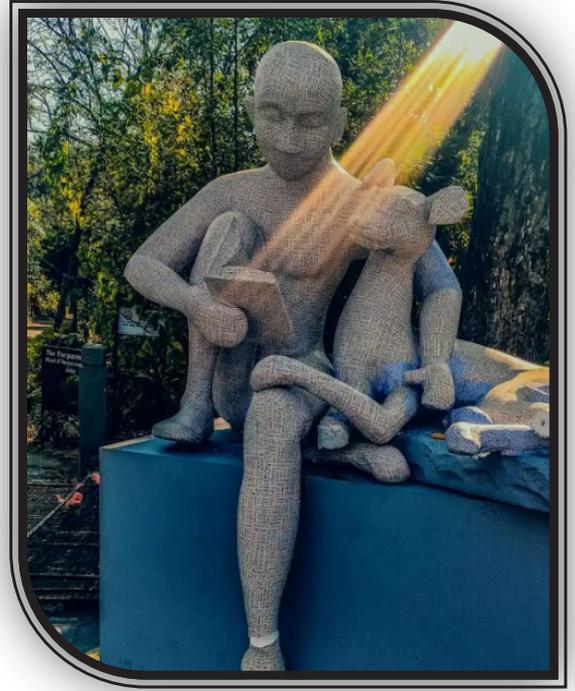
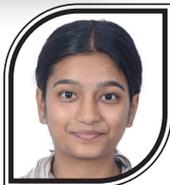
**Sarvesh
Bhalerao**



**Shantanu
Dhole**



**Shreeya
Phulari**

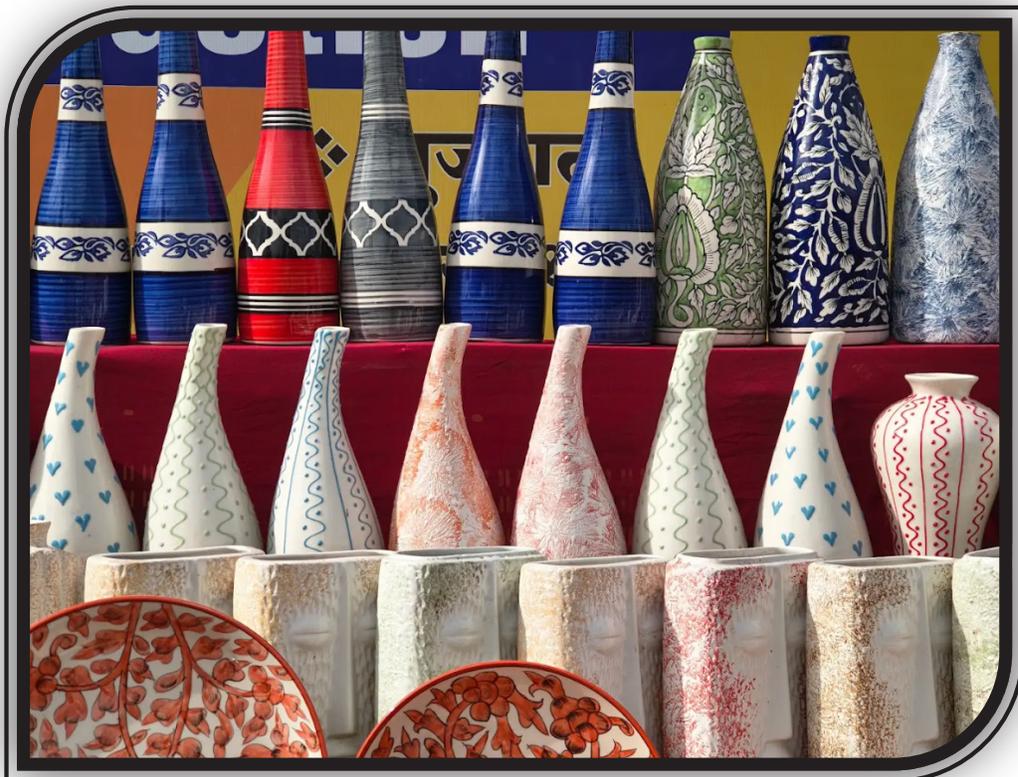


**Ragini
Telange**





**Kartikya
Gawali**



**Samyak
Misal**



**Milan
Sagdhara**



**Milan
Sagdhara**



**Milan
Sagdhara**





UTSAVAM

2024-25

CLUB MELA





SIGNATURE



NAKSHATRA



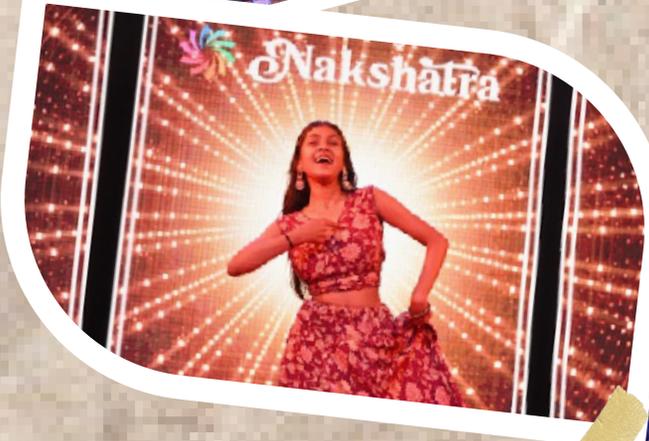


























Recreational Clubs



The MITAOE Drone Club is a student-run organization at the Maharashtra Institute of Technology (MIT) Academy of Engineering (AOE), Pune. We are a passionate group of individuals sharing a common interest in drone technology and its applications. We aim to provide a platform for students to learn, experiment, and explore drone technology, thereby enhancing their skills and knowledge.

DRONE CLUB

Mission and Strategic Objectives

Our mission is to advocate for the transformative power of drone technology across critical sectors, including precision agriculture, logistics, and advanced surveillance. We are committed to fostering a hands-on learning culture where students design, build, and test custom UAVs. Through specialized workshops and high-stakes competitions, we aim to cultivate a new generation of engineers equipped with the technical proficiency and creative problem-solving skills necessary to lead the aerospace industry.

Innovation and Technical Excellence

The club serves as a hub for advanced UAV research and development. We host comprehensive seminars focusing on flight dynamics, autonomous navigation, and custom component fabrication. Our members gain specialized experience in 3D-printing aerodynamic parts and developing integrated payload systems. This technical foundation is put to the test in national arenas, ranging from the high-speed tracks of FPV racing to complex utility-based drone challenges at premier institutions like IIT Bombay.

Championship Performance: 2024-25

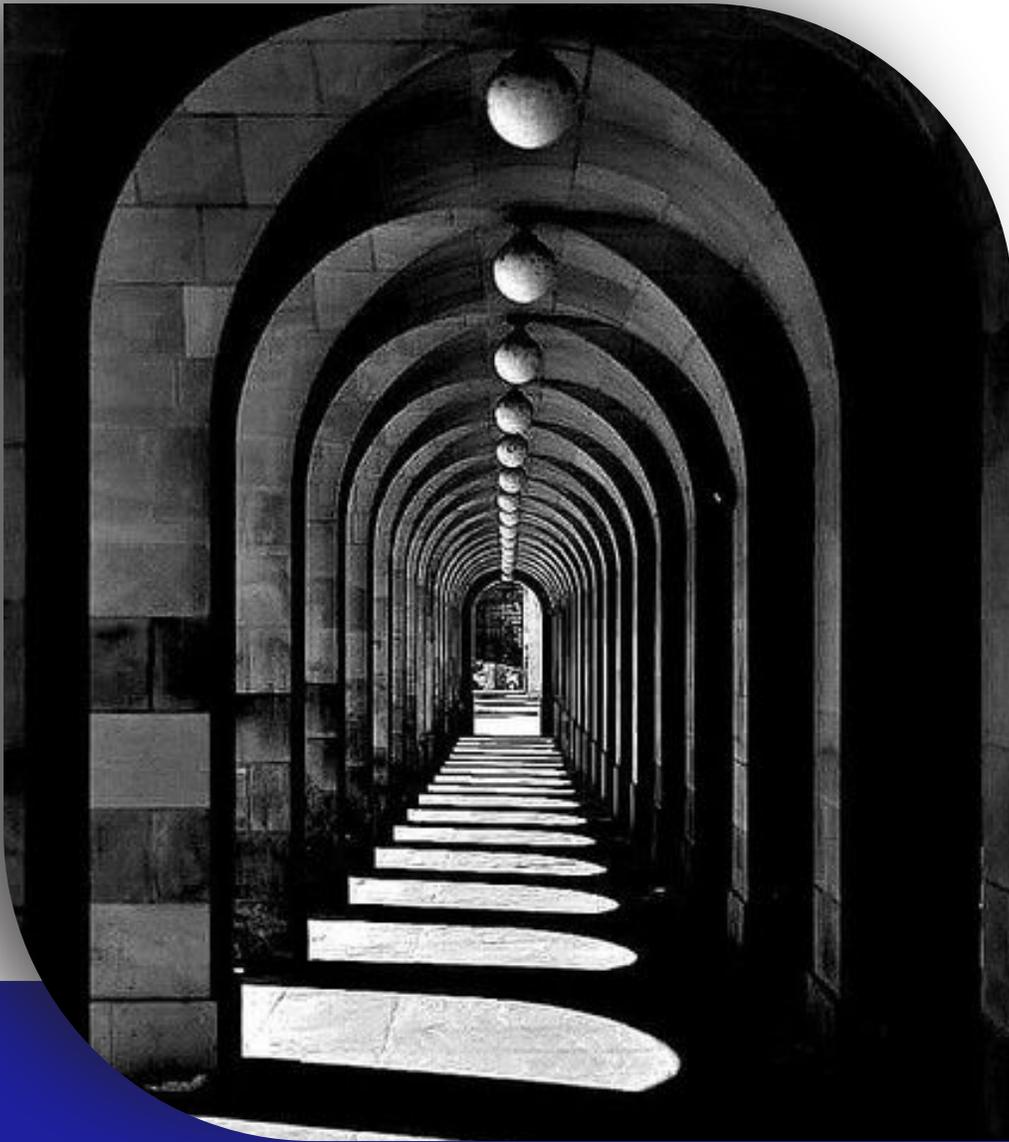


The 2024-25 season marked a period of unprecedented success for the club. At COEP MindSpark 2025, Team Phoenix secured 1st place while Team Taycon took 3rd, thanks to a revolutionary 3D-printed payload drop system. This momentum continued at the Robotex India National Championship, where Team Phoenix and Team Falcon Eye dominated the podium, securing 2nd and 3rd place respectively. These wins prove our engineering mettle on a national stage.

Dominance in National Drone Racing

In the realm of high-speed maneuvers, our pilots have proven unmatched. At the VIT Chennai National Drone Racing event, Team Sky Syndicate and Team Phoenix claimed the top two spots in Line of Sight (LoS) racing, while Team Phoenix also secured 2nd in First-Person View (FPV) racing. Our streak continued at DY Patil College of Engineering's 'Aerotrix,' where Team Phoenix clinched 1st place, further solidifying our reputation for precision and technical excellence.





Shutterbugs is the official photography club of the college, bringing together students who share a passion for visual storytelling. The club serves as a creative platform for exploring photography through practice, collaboration, and real-world exposure, while encouraging members to observe, capture, and express moments beyond the ordinary

SHUTTER BUGS

Vision and Strategic Objectives

Our primary vision is to promote photography as a powerful and essential medium for personal expression and narrative storytelling. We are dedicated to providing students with practical exposure through organized photowalks, high-level competitions, and professional-grade event coverage. By fostering an inclusive environment, we ensure that photographers of all skill levels—from beginners to advanced enthusiasts—have the resources to learn, experiment, and grow their technical and artistic abilities.

Major Events and Activities: 2025

The year 2025 was a landmark period for creative engagement and technical exploration. The season opened with the New Year Photography Competition, which set an enthusiastic tone for the months to follow. Throughout the year, Shutterbugs conducted immersive photowalks across Pune, including historical sites like Kasba Peth, the vibrant Mandai market, and the scenic landscapes of Talegaon. These excursions offered members a rare opportunity to document street life, local heritage, and compelling human stories through their unique lenses.



Collaborations and Professional Coverage

A major highlight of the year was our strategic collaboration with Vivo India, where members mastered the art of high-impact mobile photography. We also partnered with renowned Instagram creator filmoholic_sagar for a specialized session on digital framing and content creation. Furthermore, Shutterbugs proudly served as the official media crew for Mood Indigo Intercity, Pune, documenting the high-energy performances and candid spirit of the event. The year concluded with the festive Diwali Competition, celebrating the interplay of light and tradition.

Achievements and Club Milestones

Shutterbugs has solidified its reputation as a reliable pillar of campus life and a powerhouse of visual documentation. By representing the college at major cultural events like Mood Indigo, we have proven our ability to deliver professional-grade media coverage under pressure. Our success in conducting multiple specialized photowalks and increasing student engagement through digital collaborations has strengthened our presence. Today, the club stands as an essential creative hub, documenting the history and spirit of our institution.





MIT Aero Club is a student-led technical community at MIT Academy of Engineering and the institute's first aeromodelling club, established in 2018. The club is dedicated to promoting interest and practical knowledge in aerospace and aeronautical engineering through hands-on learning and real-world applications. The club actively works on RC aircraft and multirotor systems, focusing on areas such as aerodynamic design, CFD analysis, avionics integration, and real-world flight testing.

Through guided training, technical projects, workshops, and participation in national-level competitions, MIT Aero Club provides students with an experiential learning platform that complements academic coursework and enhances practical engineering skills.

AERO CLUB

Vision and Strategic Objectives

Our vision is to cultivate a robust culture of aerospace innovation at MITAOE by empowering students with industry-oriented exposure and technical proficiency. We aim to provide hands-on training in the design and flight operations of advanced UAVs while enhancing the collective understanding of propulsion systems and structural analysis. By bridging the gap between theoretical physics and real-world applications, the club fosters a collaborative environment where teamwork and complex problem-solving skills are developed to meet the highest aerospace standards.

National Competition Success: 2024–25

During the 2024–25 academic year, the MIT Aero Club demonstrated exceptional technical prowess at the SAE India Southern Section Aeromodelling Competitions. Competing against top-tier institutions at SRM Institute of Science and Technology, our teams excelled in the Micro and Regular Class categories. We achieved a distinguished All India Rank 2 (AIR 2) for both the Best Design Report and Best Technical Presentation, proving our ability to translate complex aerodynamic analysis into professional-grade documentation and high-impact technical communication.



Championship Titles and Monetary Awards

Continuing our streak of excellence at Karapaga Vinayaga College of Engineering, the club reached new heights in national rankings. We secured All India Rank 1 (AIR 1) for the Best Technical Presentation in the Regular Class category, earning a prestigious cash prize of ₹10,000. Additionally, the club maintained its consistency by clinching All India Rank 3 (AIR 3) for the Best Design Report in the Micro Class. These accolades highlight our commitment to precision engineering and our standing as a top-tier aeromodelling community in India.

Advanced Exposure at IIT Bombay Techfest

Beyond specialized aeromodelling circuits, the MIT Aero Club represented the institute at IIT Bombay Techfest, one of Asia's largest and most competitive technical festivals. This participation provided our members with invaluable exposure to high-level engineering challenges and allowed for direct interaction with elite teams from across the country. The insights gained from this experience regarding design optimization and competition standards have further strengthened our technical preparedness, ensuring our members remain at the absolute forefront of aerospace innovation.





Club Inauguration & Hustle: Episode 1 & Recording (December 2023)

Our club officially commenced operations with the recording of its first podcast episode, & Hustle: Episode 1 on December 16, 2023, at MIT Academy of Engineering.

Topic: The inaugural episode focused on Communication Skills, addressing inquiries submitted by MIT AOE students.

Details: Featuring Mrs. Vidisha Joshi, a distinguished soft skills trainer, the session ran for an engaging 40 minutes, marking a significant milestone for the newly formed club.

NEKOTACHI CLUB

Inaugural Milestones and “Hustle” Launch

The club officially commenced its journey on December 16, 2023, with the recording of its debut podcast episode, “Hustle: Episode 1.” Hosted at the MIT Academy of Engineering, the session featured Mrs. Vidisha Joshi, a renowned soft skills trainer. This inaugural 40-minute episode addressed student inquiries regarding communication skills, setting a high standard for future productions. Following this, a major promotional event in February 2024 utilized interactive games and recruitment drives to boost the channel’s visibility and expand its listener base.

National Representation and AICTE Submissions

In early 2024, the club expanded its reach through strategic external participation and national initiatives. Members Kaustubh Patil and Yash Sawant represented the institution at the VJTI Model United Nations in Mumbai, gaining experience in public speaking and networking. Simultaneously, the club engaged with national platforms by submitting three diverse podcasts—Ira, Spandan, and Arya—for the AICTE initiative. These submissions covered topics ranging from Indian sports reforms to global representation, highlighting our commitment to quality content.

Corporate Insights and Leadership Series

Throughout late 2024 and early 2025, the club secured interviews with high-level industry leaders to provide students with practical market insights. A notable session featured Nikita Vora, CEO of SheLeads India, focusing on digital marketing and leadership. This was followed by an international perspective via an interview with Japanese delegates Noboru Yamada and Mizuki Sato, who discussed global work culture. These professional collaborations have significantly enhanced the club’s reputation as a bridge between campus and the corporate world.

Upcoming Releases and Post-Production Pipeline

The club maintains a rigorous production schedule, with several high-profile episodes currently in the editing phase. These include an interview with Kanchan Sonik, a Senior Manager at Tech Mahindra, and an insightful conversation with Dr. Prafulla Hatte, Dean of Branding and Communications at MITAOE. Additionally, a session with Ashish Aggrawal, a D2C Consultant at PwC, is slated for release. Each recording involves a dedicated student crew handling audio, video, and scripting, ensuring every episode meets our professional standards.

Entrepreneurship and Institutional Engagement



In early 2025, the club demonstrated its organizational versatility by managing the Club Mela stall and hosting a landmark 3-day Entrepreneurship Workshop led by PwC directors. This intensive program provided in-depth training on business modeling, GTM strategies, and financial pitching. From creating dynamic photo booths for student engagement to facilitating expert-led sessions on market research, the club continues to foster an innovative ecosystem that blends technical media production with practical business and leadership skills.





Vertex is a student-driven technical and creative club focused on the intersection of game development, animation, mathematics, and emerging technologies, with a structured learning path. The club follows a structured learning approach where first-year students are introduced to animation using Manim, and from the second year onwards, members progress into full-scale game development. The club encourages hands-on learning through projects, content creation, events, and collaborative problem-solving. Vertex aims to bridge theory with practical implementation by building games, interactive media, and tech-driven solutions while fostering a strong creator community.

VERTEX CLUB

Vision and Strategic Objectives

Our vision is to build a collaborative ecosystem where students explore the synergy between creativity and engineering. We aim to promote practical learning in game design and interactive media while encouraging the application of mathematics in real-world creative scenarios. By building a strong peer-learning network and mentorship programs, we prepare our members for industry-level challenges. Our objective is to create consistent, high-quality technical content and prepare students for the rigors of professional software and game development environments.

Major Events and Technical Activities

The 2024–25 term was defined by a series of successful development projects and educational initiatives. Our members created multiple games using the Godot engine, focusing on advanced gameplay mechanics, UI systems, and score tracking. Simultaneously, the Manim Animation Program provided first-year students with a solid foundation in logical thinking and motion graphics. To bridge the gap with the professional world, we hosted a guest session with a senior developer from Ubisoft, providing members with invaluable insights into the global gaming industry.



Workshops and Content Creation

Vertex successfully launched CodeShoot 2.0, a flagship event that combined orientation with technical workshops. These sessions covered essential design principles and creative tools, ensuring a high standard of output across all club domains. Furthermore, we established a robust social media pipeline inspired by industry leaders like Gameranx and IGN. This initiative involves the regular production of gaming news, technical comparisons, and gameplay edits, allowing our creative and technical teams to collaborate on a consistent, professional content workflow.

Achievements and Future Milestones

Vertex has successfully established itself as a multi-domain powerhouse, combining technology, animation, and design. The introduction of the Manim-based learning track has revolutionized our onboarding process, while our completed game projects showcase our ability to execute complex design concepts. Through high student participation and successful industry collaborations, we have laid a strong foundation. As we look forward, Vertex remains committed to expanding into AI-driven tools and larger technical collaborations, solidifying our role as a hub for future innovators.





TEAM NIYUDRATH
KARTING



Vertex is a student-driven technical and creative club focused on the intersection of game development, animation, mathematics, and emerging technologies, with a structured learning path. The club follows a structured learning approach where first-year students are introduced to animation using Manim, and from the second year onwards, members progress into full-scale game development. The club encourages hands-on learning through projects, content creation, events, and collaborative problem-solving. Vertex aims to bridge theory with practical implementation by building games, interactive media, and tech-driven solutions while fostering a strong creator community.

KARTING CLUB

Niyudrath Karting: Engineering High Performance Team Niyudrath Karting is a student-led motorsports organization dedicated to the rigorous application of mechanical and automotive engineering principles. The team oversees the complete lifecycle of a racing go-kart, from conceptual design and advanced manufacturing to rigorous track testing. Operating within specialized domains such as chassis development, powertrain integration, and vehicle dynamics, Niyudrath follows a structured, industry-oriented methodology. By participating in premier competitive events, the team bridges the gap between academic theory and real-world practice, fostering technical competence and professional readiness.

ISIE Indian Karting Race: Season 9 Overview In October 2024, the team competed in the ISIE Indian Karting Race, a premier motorsport event supported by the Ministry of Skill Development and Entrepreneurship. Hosted at Galgotias University with dynamic rounds at the Buddha International Circuit, Noida, the competition challenged teams to design and race high-performance vehicles. The event featured rigorous technical inspections and static evaluations, testing innovation across both combustion and electric categories. Niyudrath's participation showcased our ability to compete at the highest national level while upholding stringent engineering standards.

Technical Innovation in EV Engineering

In the Electric Vehicle (EV) category, Team Niyudrath demonstrated a sophisticated engineering-first approach. A cornerstone of our success was the complete in-house manufacturing of the battery pack, encompassing cell selection, electrical layout, and safety insulation according to strict regulations. Every subsystem—including the motor, controller, and drivetrain—was developed through data-driven analysis rather than trial-and-error. Continuous iteration and failure analysis enabled the team to optimize vehicle reliability and efficiency, reflecting a deep competence in the evolving field of electric vehicle engineering.

National Rankings and Academic Honors The 2024–25 season yielded significant accolades, establishing Niyudrath Karting as a dominant force in the EV sector. The team secured All India Rank 2 (Electric Vehicle) and was honored with the Future Award for innovative design. Our strategic approach

resulted in the Best Business Plan award, while our mechanical reliability earned us the Best Endurance (EV) title and the Fastest Lap (EV) record. Additionally, the team was named the Runner-up in the Crosspad challenge, further validating our versatility and technical precision on the national racing circuit.

Leadership and Organizational Structure The team's success is anchored by the guidance of faculty coordinators Mr. Bhimgouda Patil and Dr. Shrikant Patil from the School of Mechanical Engineering. Leadership is spearheaded by Captain Shryesh Raut and Vice-Captain Ayaan Mansuri, alongside Team Manager Rohan Badgajar. The technical execution is driven by specialized heads, including Bhavesh Patil (Brakes), Swayam Sangam (Steering), and Atul Payghan (Powertrain). This collaborative structure, supported by a dedicated crew of design and financial managers, ensures a seamless transition from engineering blueprints to championship-winning performance.





The Entrepreneurship Cell (E-Cell) of MIT Academy of Engineering is a student-driven community established in 2018 to promote innovation, creativity, and entrepreneurial thinking among students. With a strong and active network of members, E-Cell builds a startup- focused ecosystem by organizing impactful events, mentorship programs, and industry collaborations. It serves as a launchpad for aspiring entrepreneurs, helping them transform ideas into viable ventures through exposure, guidance, networking, and funding opportunities.

E-CELL

Vision and Strategic Objectives

Our primary vision is to build a strong and inclusive entrepreneurial landscape that motivates students to innovate and think independently. We aim to nurture essential business skills by providing hands-on opportunities through workshops, competitions, and direct industry connections. By bridging the gap between academic theory and commercial practice, E-Cell enables students to develop sustainable ventures. Our goal is to empower the next generation of changemakers with the technical and leadership proficiency required to lead in a competitive global market.

E-Summit: The Premier Annual Flagship

The E-Summit stands as the hallmark annual event of the club, uniting students, startup founders, and investors on a single platform. The 2024 edition, held on November 7th and 8th, saw a massive turnout of over 5,000 attendees. The summit featured high-impact keynote sessions, panel discussions, and startup showcases that provided a professional arena for networking and pitch competitions. This event has become a cornerstone of the regional startup culture, significantly enhancing the visibility and industry engagement of our student innovators.



Institutional Milestones and Innovation

A significant milestone for the club is the annual celebration of Incorporation Day on February 7th. This day is marked by an intensive Student Idea Expo and specialized workshops where participants present innovative concepts to gain peer and mentor feedback. Beyond these celebrations, E-Cell maintains a consistent calendar of ideathons, hackathons, and skill development programs. From participating in the campus-wide Club Mela to hosting regular expert talks with industry leaders, the cell ensures that entrepreneurial awareness is deeply embedded in the college culture.

Strategic Collaborations and Achievements

Since its inception in 2018, E-Cell has evolved into one of the most impactful organizations at MITAOE. Our growth is fueled by strategic partnerships, such as those with Amplinx and Softech during E-Summit 2024, which provided participants with deep industry insights and enhanced exposure. With over 30 successful entrepreneurship-focused events conducted to date, we have built a powerful community of future leaders. These collaborations continue to strengthen the vital links between students, government officials, and investors, ensuring a thriving future for campus startups.





SPARK Club is a student-driven technical community built with the vision of turning curiosity into capability. The club focuses on IoT, Embedded Systems, and VLSI, encouraging students to move beyond textbooks and truly understand how technology works in the real world. Guided by its mission to bridge theory with practice, SPARK Club creates opportunities for students to learn by doing—through hands-on projects, workshops, technical events, and collaborative activities. The club believes that innovation grows when ideas are shared, challenges are explored together, and learning happens as a team. By nurturing technical skills, creativity, leadership, and confidence, SPARK Club prepares students not only for academic success, but also for industry readiness and lifelong learning in the ever-evolving field of technology.

SPARK CLUB

Vision and Strategic Objectives

Our primary vision is to cultivate a strong technical culture that empowers students with industry-ready skills and an innovative mindset. We aim to promote the practical application of technology through workshops and advanced technical activities that support real-world projects beyond the classroom. By encouraging continuous learning and critical problem-solving, we nurture an environment where seniors guide new members through mentorship. Our objectives include building essential leadership and professional skills, ensuring our members emerge as confident leaders in the tech industry.

TechnoPHILIA 2025: National Excellence

A major milestone for the club was TechnoPHILIA 2025, the 8th National-Level Technical Event organized in collaboration with the IEEE Student Council. This prestigious event was designed to spark a national research culture by hosting intensive project and poster competitions. Students from colleges across the country participated, showcasing a diverse range of technical skills and innovative problem-solving approaches. TechnoPHILIA served as a vital platform for knowledge exchange, providing participants with significant exposure to advanced technical applications and peer-to-peer learning.

Our impactful presence and high level of student interaction culminated in SPARK Club securing the prestigious “Best Club” position, further solidifying our reputation as a leader in campus technical initiatives.



Nakshatra 2025: Award-Winning Engagement

During the Nakshatra 2025 festival, SPARK Club demonstrated its creative and technical prowess at the annual Club Mela. The club's stall became a hub of student engagement, featuring interactive technical games and innovative sessions that attracted a massive audience. Through these activities, the club successfully spread awareness about the importance of embedded systems in modern engineering.



Google Developer Groups
On Campus • MIT Academy of Engineering



Orientation 2025 successfully aligned 450+ students with GDG core mission: enhancing career-oriented skills through technical workshops and community projects. The session established clear mechanisms for participants to access Google resources and engage in collaborative professional development.

***GDG
CLUB***

GDGoC Orientation: Mapping the Developer Journey

The 2025 Orientation Session successfully aligned over 450 students with the core mission of Google Developer Groups on Campus. This foundational event served to familiarize the student body with comprehensive technical initiatives, ranging from cloud computing workshops to professional development projects. By showcasing the direct correlation between participation and career growth, the session established clear mechanisms for students to access Google technologies. This strategic introduction fostered significant enthusiasm, effectively bridging the gap between academic theory and industry-level technical expertise.



Expert Speaker Series: Bridging the Industry Gap

The Google Expert Speaker Sessions provided high-impact learning experiences by connecting students with professionals from leading technology firms. Experts such as Vaibhav Malpani and Vatsal Jain delivered deep dives into Generative AI, Cloud Computing, and the Android Development Kit (ADK). These sessions, which attracted over 100 active participants, featured interactive panel discussions that clarified market trends and real-world applications. By facilitating direct Q&A with industry veterans, GDGoC helped students build a strong technical foundation aligned with current global engineering expectations.

GoogleCloudStudyJam: Achieving National Tier 1 Status

Organized between October and November 2025, the Google Cloud Study Jam was one of the institution's most successful technical initiatives. The program engaged over 300 students through a structured, mentor-led framework that leveraged the Google Cloud Skills Boost platform. Participants earned recognized certificates and skill badges by completing intensive labs and arcade challenges. Due to exceptional participation rates and high-level skill acquisition, GDGoC MITAOE achieved

Tier 1 National Status, validating the high impact of the club's cloud-learning culture and technical mentorship. Nirmaan 3.0 and TechSprint: Innovations in Hacking The 2025 hackathon season was defined by two flagship events: Nirmaan 3.0 and TechSprint. Nirmaan 3.0 provided a 48-hour immersive environment where 100 participants transformed raw ideas into functional prototypes under the guidance of industry judges. Simultaneously, TechSprint—a Google Hackathon conducted with Hack2Skills—attracted 80 teams. This sprint emphasized scalable technical solutions and alumni mentorship, helping students align their projects with industry standards. Both events fostered an innovation-driven atmosphere, enhancing the institution's reputation for technical excellence and collaborative problem-solving.



Competitive Programming and Mentor Sessions

The TechSprint Coding Competition brought together 85 aspiring developers for a high-intensity algorithmic challenge on HackerRank. Mirroring professional interview environments, the event utilized live leaderboards to foster healthy competition and technical precision. Complementing these competitive events, the GDG Mentorship Session featured alumnus Rohan Agarwal, who provided targeted guidance on Data Structures, Algorithms (DSA), and placement readiness. These structured mentorship opportunities offer students actionable direction, ensuring they are well-prepared to navigate technical interviews and long-term career trajectories with confidence.



On September 15, 2025, the International Relations Office, in collaboration with the Foreign Language Club, hosted the University Fair at Vishwajyoti Auditorium. This landmark event featured distinguished delegates from six globally renowned institutions, including Arizona State University, the University at Buffalo, and Vilnius University. Students from second to final years engaged in direct counseling sessions, gaining firsthand insights into admissions, scholarships, and diverse academic programs across the USA and Europe. The fair successfully bridged the gap between MITAOE and international academia, motivating students to pursue global higher education with renewed confidence.

FOREIGN LANGUAGE CLUB

Choose France Tour: Academic Excellence in Mumbai

In a strategic move to promote European education, members of the Foreign Language Club attended the “Choose France Tour 2025” at Sahara Star, Mumbai. Organized by Campus France and the Embassy of France, this external event offered personalized counseling on elite programs in engineering, hospitality, and management. Participants explored prestigious funding opportunities, such as the Eiffel Excellence Scholarship, and gained clarity on visa processes and post-study work prospects. This visit reinforced the club’s commitment to international language learning and provided students with valuable professional contacts within the French educational sector.

International Careers: Engineering Opportunities in Japan

In January 2026, the IRO and FLC organized an intensive expert session titled “Beyond Anime: Kickstart Your First Job Internationally.” Led by Mr. Hiro Ishida, Founder of Mosaique Pvt. Ltd., the session focused on the unique work culture and engineering demands of the Japanese industry. Students explored global career pathways, focusing on technical skill requirements and the importance of linguistic proficiency in international markets. This internal event served as an inspiring confluence of practical industry advice and real-world experiences, empowering students to visualize their professional journeys within the Japanese technological landscape.

IDP Study Abroad Expo: Strategic Academic Planning

Broadening the scope of international exposure, FLC members participated in the IDP Study Abroad Expo at the Sheraton Grand, Pune. This high-level awareness program provided students with direct access to university representatives from Australia, Canada, and New Zealand. The expo focused on authentic information regarding English language proficiency exams like IELTS, course selection, and the nuances of international visa procedures. By interacting with knowledgeable delegates, students gained a reliable and up-to-date understanding of global academic trends, helping them plan their future studies with a clear and motivated perspective.

IJBC Konnichiwa Pune 2025: A Cultural Confluence

The Foreign Language Club represented MITAOE at the “Konnichiwa Pune” festival held at the Okayama Friendship Garden. Over two days, members were immersed in traditional Japanese arts, including the Tea Ceremony (Sadō) and Calligraphy (Shodō), alongside

vibrant anime and cosplay showcases. The club actively managed a professional stall and showcased campus talent through high-energy band and dance performances. This external collaboration allowed students to observe large-scale event management and professional protocols, fostering a deeper appreciation for Japanese heritage while strengthening their organizational and interpersonal capabilities.





The academic year 2024–2025 has been a remarkable and successful journey for the MIT AOEs Art Circle. Through dedication, teamwork, and consistent guidance, the club actively participated in various prestigious intercollegiate theatre competitions and achieved notable recognition.

MAC CLUB

Firodia Karandak 2024-25

In the Firodia Karandak competition for the academic year 2024–2025, the Art Circle secured an impressive Second Position. The team delivered a powerful performance that reflected strong direction, impactful acting, and effective stage presentation. This achievement highlighted the growing strength of the club in the theatre circuit. Along with the overall Second Position, our students also received multiple individual prizes across different categories:

Acting:-

Maitryee Majumdar(Female Actor First prize)

Adwaiy Mundhe(Male Actor Second Prize)

Nikita Shelar (Female Actor Consolation Prize)

Writing:-

Nikita Shelar and Adwaiy Mundhe

Music:-

Nachiket Challawar (First Prize in Harmonium)

Suyesh Dixit (First Prize Singing)

[Sahil Panchal, Abhijit Jadhav, Deep Wasnik, Nachiket Challawar, Samarth Rokade, Onkar kalenkar, Shalom Jadhav](Second Prize in Best Band)

Arts & Set Design (Shadow Play)

MITAOE secured prizes in Shadow Play showcasing creativity and strong visual storytelling.



Vidnyan Ekankika

MITAOE Art Circle secured First Position in the Pune Region Vidnyan Ekankika, qualifying for the final round. The performance was highly appreciated for its meaningful theme, disciplined execution, and impactful presentation.



In the year 2025, MIT Academy of Engineering Art Circle participated in the prestigious Dajikaka Gadgil Karandak competition. The team performed with great dedication, confidence, and teamwork. The play was presented with proper stage coordination, strong dialogue delivery, and effective expressions by all actors. The backstage team also managed lights, sound, and props smoothly, which made the performance more impactful. In the Primary Round of the competition, MITAOE received a Consolation Prize. Although it was a tough competition with many talented teams, our performance was appreciated and recognized. This achievement motivated the team to continue improving and aiming for higher positions in future competitions.

Sakal Karandak

The team also participated in Sakal Karandak, gaining valuable stage exposure and learning experience. Participation in such reputed com overall theatrical skills.



Rashtriya Vidnyan Ekankika

MIT Academy of Engineering Art Circle achieved a remarkable success at the Rajyastriya Vidnyan Ekankika (State Level) competition. After securing first position in the Pune region, the team qualified for the state-level finals. Competing at this level was a big achievement in itself, as many talented teams from different regions participated.

The team delivered a powerful and well-coordinated performance with strong acting, effective direction, meaningful writing, and excellent technical support. Due to the dedication and teamwork of all members, MITAOE secured Second Position at the state level, which brought great pride to the institution.

Along with the overall Second Position, the team also received several prestigious individual awards:

Best Director – Abhijeet Jadhav

Best Writer – Atharva Veerkar & Maitreyee Majumdar

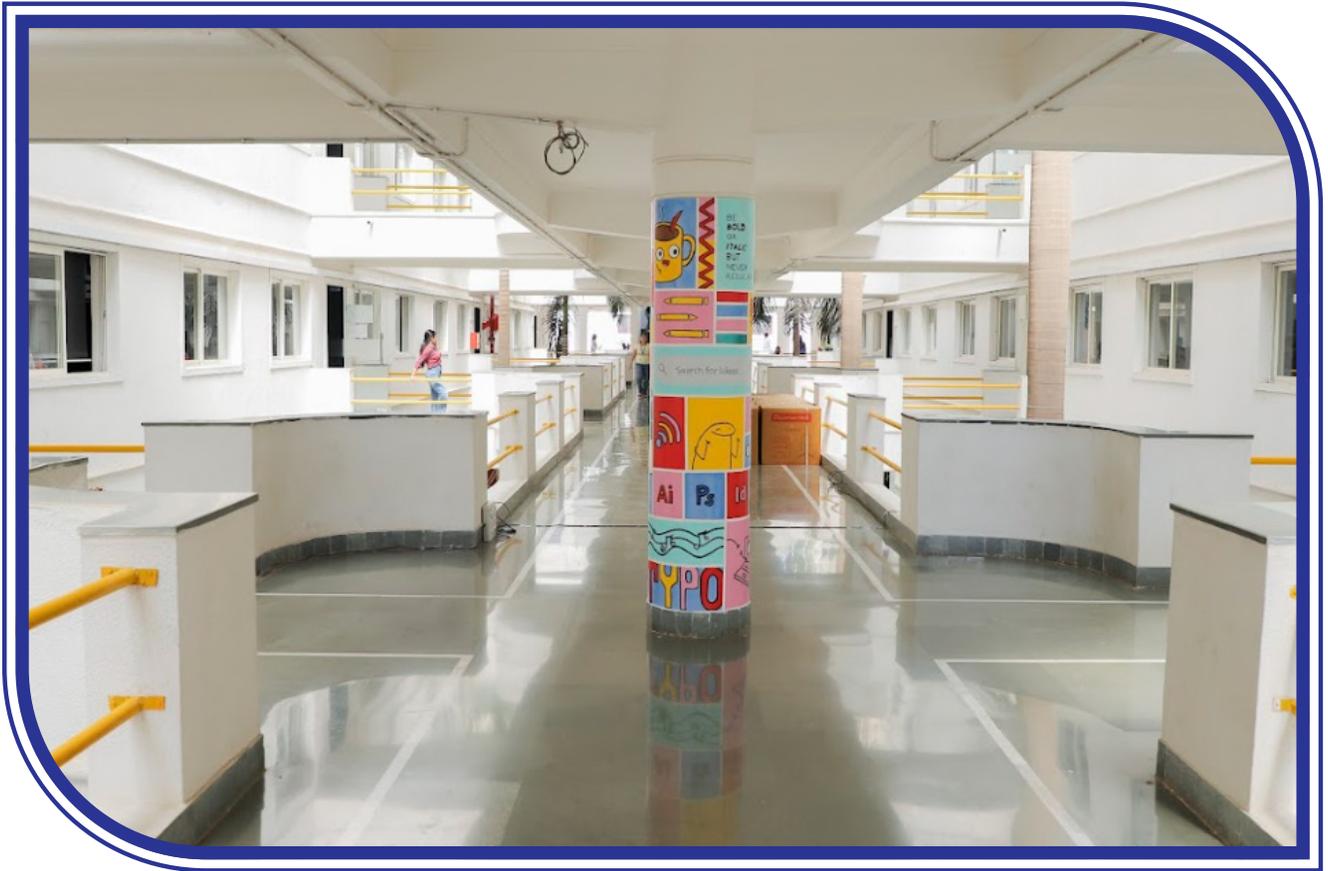
Best Lights – Ayush Tank & Chaitanya Chavhan

Best Sound – Om Kolte

Best Actor – Atharva Veerkar

These individual awards highlight the all-round excellence of the team — not only in acting but also in direction, scriptwriting, lights, and sound design. Each department worked with full dedication, discipline, and creativity.







SCHOOL REPORT



Dean
Dr. Sandip P. Shewale

School of
CHEMICAL ENGINEERING



VISION

To become globally recognized chemical engineering program by promoting excellence in education, industry outreach and research for betterment of society

MISSION

- Use innovative teaching learning pedagogy to provide technical and practical skills
 - To create versatile and employable chemical engineering graduates
- Collaborate with industries and research organizations to promote research and skill development
 - To provide a flexible, motivational environment for development of entrepreneurial mindset.

Competition at Rajiv Gandhi Institute of Petroleum Technology, Raebareli, UP (20-21 Sept 2024).

Student Achievements

Mr. Jaydeep Sonawane, Mr. Devansh Wagh , Mr. Atharv Kawade and Ms. Sumiran Tiwari won the Third prize at SANKALP 2025



CHEMATHON' 25 India's first hardware hackathon 2025 - WON Third prize with cash prize of 30000

Group members:

- 1) Prathmesh kumbhar
- 2) Chetan Gardey
- 3) Palak Chandrapure
- 4) Atharv Veerkar
- 5) Shreyash Bansod



3-
SCH



4. Atharv Veerkar secured the Third Prize at the Navdhara State Level Poster Competition in Civil Domain at PCCoER, Pimpri Chinchwad (03 Aug 2024).

Palak Chandrikapure, Prathamesh Kumbhar, Chetan Gherde, Shreyash Bansode and Atharv Veerkar achieved the Third Prize in the First Edition of IICHe T1 Hardware Hackathon, IICHe-Chemathon 2025 conducted at Kongu Engineering College, Coimbatore on 28th February–2nd March 2025.

5. Chaitanya Gherade secured the Second Prize in the Poster Presentation Competition at Alchemy 2025, organized by VJTI, Mumbai on 21st–22nd March 2025.

6. Karthik Jibin Edakkad was selected among the Top 12 teams in the Atomberg ATOMQUEST Project Competition held at IIT Delhi on 4th January 2025.

7. Tanuja Masekar won the Third Prize in the Paper Presentation Competition at CHEM-TECHNOVA 2025, organized by Harcourt Butler Technical University, Kanpur on 3rd–5th April 2025.

8. Sakshi Dhumal won the Third Prize in the Paper Presentation Competition at CHEM-TECHNOVA 2025, organized by Harcourt Butler Technical University, Kanpur on 3rd–5th April 2025.



9. Yukti Wagare won the Third Prize in the Paper Presentation Competition at Chem-Technova 2025, organized by Harcourt Butler Technical University, Kanpur on 3rd-5th April 2025.

10. Chaitanya Gherade secured the Second Prize in the Project Competition at Sankalp 1.0, organized by SGGS, Nanded on 11th-12th April 2025.

11. Chaitanya Gherade and Manda Parave received the Consolation Prize in the Poster Competition at Sankalp 1.0, organized by SGGS, Nanded on 11th-12th April 2025.

12. Ajay Shinde, Swapnil Ahire, and Shrawan Sonwane received the Consolation Prize in the Paper Presentation Competition at Sankalp 1.0, organized by SGGS, Nanded on 11th-12th April 2025.

13. Ashraf Shaikh, Sumiran Tiwari, and Jaydeep Sonwane won the First Prize in the Paper Presentation Competition at Sankalp 1.0, organized by SGGS, Nanded on 11th-12th April 2025.

14. Shreya Borle, Vaishnav Mane, and Tushar Shirsat secured the Second Prize in the Paper Presentation Competition at Sankalp 1.0, organized by SGGS, Nanded on 11th-12th April 2025.

15. Abhikshit Rode, Parth Deshmukh, and Rohit Nalawade received the Consolation Prize in the Paper Presentation Competition at Sankalp 1.0, organized by SGGS, Nanded on 11th-12th April 2025.

16. Chaitanya Gherade secured the Third Prize in the Poster Presentation Competition at Syntropy 2025, organized by MITWPU, Pune on 15th-17th April 2025.

17. Chetan Garde secured the Second Prize in the Paper Presentation Competition at Eureka & Jidnyasa 2025, held at tkiet, Warananagar on 22nd April 2025.

18. Sushil Pawar secured the Second Prize in the Paper Presentation Competition at Eureka & Jidnyasa 2025, held at tkiet, Warananagar on 22nd April 2025.

19. Palak Chandrikapure secured the Second Prize in the Paper Presentation Competition at Eureka & Jidnyasa 2025, held at TKIET, Warananagar on 22nd April 2025

Faculty achievements & recognitions

1. Dr. Sudhir Gandhi has received a funding of ₹2,50,000 from Savitribai Phule Pune University (SPPU) under the ASPIRE scheme for his project titled "Ultrasonic Intensification of the Benzene Alkylolation Process Using Ionic Liquid Catalyst."

2. Dr. Shraddha Shende has received funding of ₹2,52,000 from Savitribai Phule Pune University (SPPU) under the ASPIRE scheme for her project titled "Removal of Organic Pollutant from Wastewater (Food Industry) through Novel Techniques like Photo Catalytic and Photo Ozonation Method".

Ms. Mamta Sardare has received funding of ₹2,68,000 from Savitribai Phule Pune University (SPPU) under the ASPIRE scheme for her project titled "Discovery of Novel Green Bio-solvent for Enhanced CO₂ Capture"

4. Dr. Sudhir Gandhi and Dr. Abhijeet D. Patil published a research paper entitled "Intensification of biogas production from rice straw using anaerobic digestion based on pre-treatment with ultrasound" in the Canadian Journal of Chemical Engineering. Publisher Wiley, Indexing SCOPUS/SCI.

5. Dr. P. N. Sutar published a research paper entitled "Experimental Study and Kinetic Modeling of Aniline Polymerization" in the Russian Journal of Physical Chemistry B. Publisher Springer, Indexing SCOPUS/SCI.

6. Dr. P. N. Sutar and Dr. M. P. Patil published a Book Chapter entitled "Novelty in the development of separation processes". Publisher Elsevier, Indexing SCOPUS.

7. Dr. SP Shewale, Dr. D Patil and Dr. M P Patil published a Book Chapter entitled "Large scale production separation process" Publisher Elsevier, Indexing SCOPUS.

8. Dr. Suyogkumar Vijay Taralkar published a Patent entitled "Method for Determining the Hygienic Status of Market Milk and Testing of Adulterants in Milk" Application No. 202421033155, Publication Date: 14-03-2025

9. Dr. Suyogkumar Vijay Taralkar published a Patent entitled "Identification of Leakage of Domestic LPG Gas and Automatic Shutdown of Supply" Application No. 202421033194, Publication Date: 04-04-2025.

10. Dr. Shraddha Swapnil Shende published a Patent entitled "A Method for Producing Nano-Fertilizer Using Organic Materials and a Nano-Fertilizer Produced Thereof" Application No. 202421033164, Publication Date: 04-04-2025.

11. Dr. S. S. Shende secured a Second Prize in the Paper Presentation under the "Wastewater Treatment" category at the International Conference TEERSD-II.

12. Dr. Sandeep Shewale has been appointed as an Associate Ph.D. Research Guide in Chemical Engineering at the Vishwakarma Institute of Technology, Pune Research Centre.

13. Dr. Arnab Mandal secured 83% marks with Elite + Silver certification for the SWAYAM NPTEL Course on "Accreditation and Outcome Based Learning" conducted by IIT Kharagpur during August - October 2024

14. Mr. V. A. Tarange secured 79% marks with Elite + Silver certification for the Swayam Nptel Course on "Basics in Inorganic Chemistry," conducted by IIT Mumbai from January to February 2025.

15. Dr. V. D. Pakhale completed his Ph.D. from the Institute of Chemical Technology (ICT), Mumbai, and was awarded the doctoral degree, marking a significant academic achievement."

16. Dr. S.S. Shende completed her Ph.D. from the Institute of Chemical Technology (ICT), Mumbai, and was awarded the doctoral degree,

Research, publications, patents, and funded projects

Sl. No	Name of faculty	Title of project work	Funding Agency	Grants Received in Rs	Duration in years / Period
1.	Dr. S. S. Gandhi	Design of distillation column for multicomponent system	Safal Chem India Pvt. Ltd.	1,06,200/-	One Year
2.	Dr. S. S. Gandhi	Basic and detailed engineering of MEHQ production	Safal Chem India Pvt. Ltd.	1,18,000/-	One Year
3	Dr. Mamta Sardare	Discovery of Novel Green Bio-solvent for Enhanced CO ₂ Capture	Savitribai Phule Pune University	2,68,000/-	Two Year



4	Dr. Sudhir Gandhi	Ultrasonic Intensification of the Benzene Alkylation Process Using Ionic Liquid Catalyst	Savitribai Phule Pune University	2,50,000/-	Two Year
5	Dr. Shraddha Shende	Removal of Organic Pollutant from Wastewater (Food Industry) through Novel Techniques like Photo Catalytic and Photo Ozonation Method	Savitribai Phule Pune University	2,52,000/-	Two Year

Industry interactions, MoUs, internships, and industrial visits

Sl. No.	Name of Industry / Company	Place
1	Hab Bio Mass Private Limited	Pune
2	Aspen Technology	Pune
3	Technip Energies India	Mumbai
4	Reliance industries	Mumbai
5	Instant Procurement Services Pvt. Ltd. (Proc Mart)	Noida,
6	JSW industry	Pune
7	Allegis Group	Maryland, USA
8	Wex Technologies Pvt Ltd	Pune
9	Nirtech Pvt Ltd	Bhiwandi, Thane, Maharashtra, India
10	Cvtiva Pvt. Ltd Pune.	Pune
11	LTI Mindtree	Pune
12	Veda Engineering Pvt. Ltd	Pune
13	CSIR NCL, Pune	Pune
14	Mega Engineering, Speciality,	Pune
15	TKT Engineering Consultant,	Pune
16	Loreal Pvt. Ltd.,	Pune
17	Cytiva India Pvt. Ltd.,	Pune
18	Rashtriya Chemicals and Fertilizers (RCF),	Mumbai
19	Attaquant Enterprise ltd.	Pune
20	Veda Engineering Pvt.Ltd.Pune	Pune
21	Ecomatrix Solutions	Pune
22	Sepadu Tech Pvt.Ltd.	Pune

23	Mega Engineering,Speciality,	Pune
24	Envicare Technolog IES Pvt.Ltd.	Pune
25	Technodry System Engineering Pvt.Ltd.	Pune
26	Sumedha Energy Pvt.Ltd.,	Pune
27	Spacetech Structure and Equipment P\i. Ltd.,	Pune
28	ISDS Techndlogies LLP,	Navi Mumbai
29	Anand I-Power Ltd.,	Nashik
30	SLB Pw. Ltd..	Pune
31	Viswaat Chemical Ltd-,	Ambemath, Kalvan
32	Greencraft Solutions Greencraft Solutions Pw. Ltd.,Pune	Pune
33	Foseco India Ltd..	Pune
34	Privi Organics,	Mahad, Ratnagiri
35	Henscher Technologies,	Pune
36	Thermax Limited, Green Hydrogen Division, Pimpri-Chinchwad, Maharashtra	Pune
37	Sorting Swans eco social pvt ltd , NCL venture centre	Pune
38	Genrich membrane Pvt. Ltd,	MIDC-Bhosari, Pune 411026
39	Toyo Engineering India Limited, Kanjurmarg	East, Mumbai
40	Ten O'Clock Naturals Pvt Ltd,	Thane, Mumbai
41	VP ECOTRADE LLP,	Pune
42	OIL AND NATURAL GAS CORPORATION LIMITED	Surat
43	Seprex Private Limited	Pune
44	CECO Emtrol Buell India Pvt Ltd	Pune
45	EFTEC India Pvt. Ltd	
46	Indorama Synthesis India Limited	Butibori, Khapa, Maharashtra 441112
47	Biopharmax India Pvt Ltd	Pune
48	Prasol Chemicals Limited	Khalapur, Khopoli, Maharashtra
49	Ambani Orgochem Ltd	Boisar
50	VP ECOTRADE LLP,	Pune



Dean
Dr. Shyam Shukla

School of
Civil Engineering

Activities Conducted by the School of Civil Engineering

Sl.	Activity	Details	Resource Faculty with Affiliation	Date	Venue
No.					
1	Industrial Visit	Site Visit to IRICEN Pune	Mr. Ravi Kumar, IRICEN	17/8/2024	IRICEN, PUNE
2	Guest Session	Future Skills for Civil Engineers: Preparing for Tomorrow's Challenges	Dr. Jaiprakash Shroff "The Skill Man of India",	20/9/2024	CRPC Auditorium D Wing MITAOE
3	Industrial Visit	Site Visit to Water Treatment Plant, Nigadi Pradikaran, Pune	Mrs. Manisha Hingane,	09-09-2024	Water Treatment Plant, Nigadi
4	Guest Session	Expert Session on "Geometric Design of Railways"	Mr. Sagar Kolapkar, M.Tech Transportation (IIT-Guhawati), MoRT&H Certified Road Safety Auditor	17/10/2024	MS Team Online
5	Guest Session	Basics of Financial Management	Mr. Ashish Thete, Founder & CEO, GDK Educational Institute	20/09/2024	HBM-10, MITAOE
6	Guest Session	Placement & Higher Studies Opportunities through GATE & other competitive exam	Mr. Paresh Gugale	19/09/2024	HBM-10, MITAOE
7	Workshop	Student Solar Ambassador Workshop	Dr. Sachin Shingwan	18/10/2024	CRPC Auditorium D Wing MITAOE
8	Industrial Visit	College of Military Engineering, Dapodi, Pune	Lt. Col. VS Nene	10/10/2024	CME, Dapodi
9	Industrial Visit	Indian Meteorological Department, Pune	Mr. Sudeep Kumar	9-10-24	IMD, Pune
10	Workshop	Workshop on Building Bye Laws & Planning	Mr. Chetan More, MAHA Rera Real Estate Trainer, Freelancer, Entrepreneur, Academician NICMARK	9/11/24	HBM-10, MITAOE



11	Guest Session	Industrial Practises of Steel Structures and career opportunities	Mr. Pavan Tikate, Manager Shapoorji Pallonji PVT LTD Pune.	19/10/2024	HBM-10, MITAOE
12	Guest Session	IOT for Smart City Development	Mr. Vikrant Verma, MITAOE	24/9/24	HBM-10, MITAOE
13	Industrial Visit	Site Visit at Under Construction Institutional Buidling at MITAOE	Mr. Rajaram Paul Project manager, Bhate Raje Construction Company	15/1/25	HBM-10, MITAOE
14	Guest Session	Session on "Online resources for Academic and research (IEEE resources)"	Mr. Gaurav Vinayak Date, EBSCO Information services PVT. LTD	23/12/2025	DoII, D BUILDING
15	Seminar	Business Blueprint Seminar	Mr. Amol Parhad, Founder & CEO of The Amprar Group	26/1/2025	Navi Peth Pune
16	Workshop	Drone Surveying	Mr. D C Ambhore, Officer Surveyor, Survey of India	01/02/2025	HBM 10
17	Guest Session	Changemakers' Meet: Lead the change with Saksham	Amitkumar Mishra, Saksham, an NGO	13/2/2025	HBM-10
18	Industrial Visit	Site visit to Survey of India	Dr. Amrendra Kumar Singh, Director Survey of India	28/2/2025	Survey of India
19	Guest Session	Tendering Process in Construction	Dr. Shyam Shukla	18/2/2025	HBM 10
20	Industrial Visit	Waste to Energy Project and Construction and Demolition Waste Management Plant, Moshi	Mrs. Neha Pradhan Mr. D. S. Waghole	27/2/2025	Moshi Dumping Plant, Pune
21	Workshop	Drone application in traffic density mapping	Mr. Atif B. Shaikh	19/03/2025	Online Session

2. MOUs Signed (A.Y. 24-25)

Sr. No.	Information on (MOUs)	Date of MOU	Period of MoU
1	Samarth Infratech Services Pvt Ltd, Kothrud Pune	6/6/2025	1 Year
2	Durocreate Engineering Services	23/01/2023	2 Year
3	Pro Earth	30/5/2025	1 Year
4	Samarth Infra	31/05/2025	1 Year

3. Student's Achievements (A.Y. 24-25)

- Kirti Kumbhar, Shubham Tiwari, Yash Sangale, Abhijeet Athawale, Sarthak Chavan, Amogh Bedmutha, presented a research paper entitled "Fostering Sustainability: Pioneering Greywater solution for rural empowerment", in International Conference on Water sustainable development: 2024 (ICWSD: 2024), held on 8/11/24 & 9/11/24 in VNIT Nagpur.
- Massoma Sultan, Mousim Sultan, Rohit Wankhede, Vishwadeep Ambhore, Arti Dharpale presented a research paper entitled "Study the durability of chemically processed recycled aggregates", in the International conference on Joint Innovations in Sustainable Engineering, Project Management & New Transformation in Computing and Communication, IC-JSPMNTC 2024, held on 27-28 June 2024.
- Aditya G, Parimeeta Kamble, Varsha Puri, Sanket D, presented a research paper entitled "Analysis of Progressive Collapse of Building on Existing Structure using Staad Pro by Removing Multiple Column", in the International conference on Joint Innovations in Sustainable Engineering, Project Management & New Transformation in Computing and Communication, IC-JSPMNTC 2024, held on 27-28 June 2024.
- Vedant Sontakke, Sandeep Sakunde, Vaidehi Choudhary, Sanskar Chavan, Madhura Shirode presented paper titled "A comprehensive study of sustainable solutions for wastewater treatment as a resource: Investigating Opportunities for recycle and reuse" at 7th International Conference on Modelling

and Simulation in Civil Engineering organized by TKM College of Engineering, during 5 to 7 December 2024.

- Nayna Mahajan secured 1st Prize in Golden Jubilee Debate Competition held at Ness Wadia College of Commerce on 18th January 2025.
- Nayna Mahajan secured 1st Prize in in the Quiz Competition organized by the School of Chemical Engineering.
- Nayna Mahajan, Sainath Karewad, Anant Lakhe, Aishwarya Sarode secured 1st prize and a cash of Rs. 25000/- at Pratikurti 2025, a National level project competition organized by Yeshwantrao Chavan College of Engineering, Nagpur on 25/02/2025.
- Gajanan Bimrot, Sarthak Chavan played AISSMS Volleyball Tournament representing MIT AOE & secured 1st Runner up position.

4. Faculty Achievements (A.Y. 24-25)

- Dr. Shyam Shukla successfully completed consultancy work of Rs. 3,50,000/- in 24-25.
- Mr. Bhaskar Wabhitkar received research funding of Rs. 2,52,000/- from SPPU under prestigious ASPIRE Research Mentorship Scheme for project titled "Removal of Organic Pollutant from Wastewater (Food Industry) through novel techniques like Photo Catalytic & Photo Ozonation Method.
- Mrs. Anagha Galagali published a paper title "A Survey on Enterprise Resource Planning & Building Information Modelling Integration: A construction 4.0 Perspective", in Building Journal, ISSN 2075-5309.
- Dr. Swapnil Patare successfully completed NPTEL Online Certificate course titled "Accreditation and Outcomes Based Learning" from August to October 2024.
- Mr. Nilesh Baglekar received award for "Best case study presentation on Innovation Assessment using ICT Tools" in the track Assessment and evaluation for Faculty conclave 2024 held on 2nd December 2024.



- Dr. Muniappan received award as “Best Teacher for School of Civil Engineering” on the occasion of Teacher’s Day.
- Dr. Swapnil Patare and Mr. Vijay Pingale published a paper titled “Structural Analysis & Optimization of Trussed Roof Steel Structures for Enhanced Safety – A comparative study”, in Springer nature AG 2024, ICAMMS 2024, pp – 295-304, 2024.
- Dr. Sushilkumar Magade was invited as Judge for a Baby Conference on “Innovative Sustainable Solutions in Civil Engineering”, at PCCOE on 22nd March 2025.
- Dr. Shalaka Hire published a paper title “An Automated Safety Checking for Staircase Hazards on Construction Sites: A BIM Approach”, in Civil Engg. Journal, Volume 6 Issue 2, 2025.
- Dr. Shalaka Hire, represented Civil Engineering department for prestigious academic interaction at the Institute of Technology, Japan under “Inspiring Japan Program”, an initiative for global academic dialogue.
- Dr. Vijay Muthekar published paper titled “Examine the Geotextile Behavior in Flexible Pavement using IITPave” at Ic-Jspmntc 2024 on Joint Innovations in Sustainable Engg, Project management and New Transformations in computing and communication, AIP conference proceedings, Volume 33025, Issue-1, May-2025.
- Dr. Vijay Muthekar published paper titled “Optimization of activation function in neural network to predict compaction parameters of silty soil” at IC-JSPMNTC 2024 on Joint Innovations in Sustainable Engg, Project management and New Transformations in computing and communication, AIP conference proceedings, Volume 33025, Issue-1, May-2025.
- Mr. Sitaram Suryavanshi published paper titled “Analysis of progressive collapse of building on existing structure using Staad Pro by removing multiple column” at Ic-Jspmntc 2024 on Joint Innovations in Sustainable Engg, Project management and New Transformations in computing and communication, AIP conference proceedings, Volume 33025, Issue-1, May-2025.
- Mr. Bhaskar Wabhitkar published paper titled “Study the durability of chemically processed recycled aggregates” at Ic-Jspmntc 2024 on Joint Innovations in Sustainable Engg, Project management and New Transformations in computing and communication, AIP conference proceedings, Volume 33025, Issue-1, May-2025.
- Mr. Sitaram Suryavanshi published a patent titled “Bamboo-Cold Formed Steel Composite Structural Section”,2025.
- Mrs. Swapnali Mohol-Kanade, in charge of “MAC CLUB” won 2nd Prize in Firodiya Competition, in Pune 2025.
- Mr. Khushal Kanade, project group won 1st prize and Rs. 25000/- in “Pratikruti”, a National Level Project Competition held at YCEE Nagpur, February 2025
- Mr. Khushal Kanade, Btech project group successfully qualified for the Zonal Level of Aavishkar 2024, the prestigious project competition organized by SPPU, Pune.
- Mr. Sitaram Suryavanshi completed 6 Months, AICTE-QIP-PG Certification Programme in “Internet of Things”, at IIT Jammu.
- Mr. Bhaskar Wabhitkar completed 6 Months, AICTE-QIP-PG Certification Programme in “Machine Learning”, at IIIT Surat.

5. R&D List (A.Y. 24-25):

- 1 School of Civil Engineering Bibliometric Survey on Enterprise Resource Planning & BIM Integration: A Construction 4.0 perspective Anagha Galgali, Sayali Sandbhor, Kirti Ruikar Buildings 14 Published
- 2 School of Civil Engineering Enhancing Sustainability in Building Design: Optimizing Energy Efficiency and Reducing Carbon Footprint Using BIM Tools and Polymer Matrix Composites Mohit Soni, Atharva Surana, Aryan Awatare, Bira Narbat, Khushal Kanade Journal of Polymer & Composites 13 Published

Placement Details

Sl. No.	Name of Student	Industry / Organization	Package (in lakhs)
1	AKASH KACHGUNDE	AMS Concrete Consultant	4.2
2	BALAJI S. KURE.	vConstruct Private Limited	5.25
3	BIMROT G. UGAMSING.	AMS Concrete Consultant	1.8
4	BHUPENDRA Y.DESHMUKH.	AMS Concrete Consultant	1.8
5	PRAKASH N. GANGODE.	AMS Concrete Consultant	1.8
6	VISHWADEEP V.AMBHORE.	AMS Concrete Consultant	1.8
7	SIDHARTH RAJGOPAL.	AMS Concrete Consultant	1.8
8	MADHURA SHIRODE	Biofarmax	3.2
9	RAKHI PANDAGARE	Technip Energies	6.5
10	Masooma Sultan	Sydac Simulation Technology India Pvt Ltd	3.75
11	Ganesh Chaudhari	Pearl Construction	3.6
12	SAKUNDE SANDEEP GANGADHAR	Vconstruct	6.5
13	MOUSIN SULTAN	Leadership Tilt Global Pvt Ltd	6.5
14	Aditya Gawai	WINNTUS	2.75
15	Yash Sushil Sangale	Mantra	3.5
16	Takate Uddhav	Durocrete	3.6





Dean
Dr. Rajeshwari M.
Goudar

School of
Computer Engineering

VISION

To empower learners as leading computer engineers through a distinguished learning experience that fosters holistic development for achieving professional & academic excellence to pioneer the advancements in techno-society.

MISSION

- Providing students with the contemporary tools and resources to thrive in the competitive engineering field through comprehensive curriculum and effective pedagogy.
- Cultivating critical thinking, creativity, collaboration, and communication skills among learners to meet the demands of constantly evolving technologies.
- Inculcating ethical and moral values through community service involvement for positive societal impact.

Message from HOD

Computer Engineering Department is dedicated to nurturing high-quality technical and scientific talent to thrive in today's competitive world. The department aspires to be a world-class learning hub, blending excellence in education and research with a vibrant space for extracurricular growth. The industry-aligned curriculum of the department equips students with essential skills, cutting-edge technologies, and practical knowledge for real-life success. Various student & faculty development programs are conducted on emerging technologies as well as on the forefront research areas of the department. The department also conducts various activities and sessions aimed at enhancing placement opportunities for students. Committed to excellence, the department fosters not just technical prowess but also personality development, empowering students to innovate for societal good.

Academic Initiatives

The department has undertaken several academic initiatives aimed at strengthening teaching–learning practices and fostering intellectual growth among students. These include the introduction of value-added and skill-oriented courses, regular workshops and seminars by experts, encouragement of research and innovation through projects and paper presentations, and the use of ICT enabled teaching methods. Such initiatives create a dynamic academic environment that promotes critical thinking, interdisciplinary learning, and overall academic excellence. To enhance students’ preparedness for competitive examinations, the department organized dedicated series of GATE examination guidance sessions. These sessions were designed to provide aspirants with a clear understanding of the GATE exam pattern, syllabus coverage, and effective preparation strategies.



Gate Guidance Session

With a strong focus on employability and career readiness, the department conducted a Product Audit Session for students. These sessions aimed at equipping learners with the technical knowledge, aptitude skills, and professional competencies required to meet industry expectations.

MoU’s Signed

The School of Computer Engineering, MIT Academy of Engineering, Alandi (Dist. Pune), signed a Memorandum of Understanding (MoU) with WorqHat (India) on 11 March 2025, marking a step toward industry–academia collaboration.



MOU with Workhat

Faculty Achievements

- 1) Prof. Diptee Ghusse is honored as the “Visiting Professor” by Universidad María Auxiliadora in recognition of her outstanding academic work and valuable contributions during her month-long academic stay (30th August – 27th September 2024).



Prof. Diptee Ghusse Honored as Visiting Professor at Universidad María Auxiliadora

- 2) Prof Diptee Ghusse was awarded PhD degree by VIT Bhopal on 8th November 2024.



Ph.D awarded to Dr. Diptee Ghusse

3) Prof Chetana Nemade was awarded Ph.D. for her research titled “Analysis and Optimized Secured Traffic Management System for Emergency Vehicles using IoT” from Dr. Vishwanath Karad MIT World Peace University.



PhD awarded to Prof Chetana Nemade,

4) Prof. Sandeep Shirwale, Assistant Professor was recognized for Excellent Contribution as Coordinator in the AICTE ATAL – EduSkills Faculty Development Program (FDP) conducted from 19th to 24th August 2024.



Certificate of Appreciation to Prof Sandeep Shirwale for Excellent Contribution as Coordinator in the AICTE ATAL – EduSkills

5) Dr Sandeep Pande received the prestigious ERDA Excellence Award 2024 for Research, presented during the ERDA Global Summit & Awards 2024, held at Christ University, Delhi NCR, on 13th December 2024.



Dr. Sandeep Pande receiving ERDA Excellence Award

6) Mrs Kavitha S was awarded Best Teacher School of Computer Engineering on the occasion of Teacher’s Day (5th September 2024) for outstanding teaching excellence during the Academic Year 2023–24.



Mrs Kavitha S. receiving Best Teacher Award

7) Prof Neha Hajare Honored as Best Club Coordinator on the occasion of Teacher’s Day (5th September 2024) for her exemplary coordination and student engagement during the Academic Year 2023–24.



Prof. Neha Hajare, receiving Best Club Co-ordinator award



8) Mr, Chaintanya Bhosale and Krunal Pawar has successfully completed mentorship to INAE Infosys Foundation Centre of Engineering Education and Excellence (CEEE) in A.Y. 24-25 Term-II.

Research & Publications

Faculty Journal Publications

1. Sk Hasane Ahammad, P Pardha Saradhi, Sandeep Dwarkanath Pande, Madhuri Navnath Gurav has published a paper titled "D-Impact of the Various Strategies on the Author's Impact Score" in "Scopus" indexed journal "Journal of Engineering Education Transformations".

2. Mayura Kinikar, B.Saleena has published a paper titled "Automatic Query Generation Based on Adaptive Naked Mole Rate Algorithm" in "Scopus" indexed journal "Multimedia Tools and Applications".

3. Vasantha Sandhya Venu, Chellapilla V. K. N. S. N. Moorthy, Preeti S. Patil, Navnath D. Kale, Chetan Vikram Andhare, Mukesh Kumar Tripathi has published a paper titled "Analyzing electroencephalogram signals with machine learning to comprehend online learning media" in "Scopus" indexed journal "Indonesian Journal of Electrical Engineering and Computer Science".

4. Kavitha S, Kotadi Chinnaiah has published a paper titled "Soil nutrient prediction for paddy cultivation via soil fertility and pH trained hybrid architecture: Recommendations based on nutrient deficiency" in "ESCI" indexed journal "Intelligent Decision Technologies".

5. Vijaykumar P. Mantri, Yogesh Deshpande, Sandip Thite has published a paper titled "A Comprehensive Analysis of Algorithms in Multiple-Face Recognition" in "Scopus" indexed journal "Nanotechnology Perceptions".

6. Padma Nimbhore has published a paper titled "Classification of cotton crop disease using hybrid model and MDFC feature extraction method" in "SCIE" indexed journal "Journal of Phytopathology".

7. Dr. Manish Giri, Dr. Santosh Warpe, Ms. Prajakta Dashrath has published a paper titled "Effectiveness of Piecewise interpolation and Lagrange's interpolation in the Implementation of Drip irrigation system" in "Scopus" indexed journal "Frontiers in Health Informatics".

8. Shubhangi Kale, Shriram Raghunathan has published a paper titled "DReLNet: abnormal human activity classification in theft surveillance video using reinforcement learning based fusion" in "SCIE" indexed journal "Signal, Image and Video Processing".

9. Dr. Jithina Jose, Dr. suja C M, Dr. B Keerthi Samhitha, Dr. Kalaiarasi, Dr. Selvi has published a paper titled "Enhancing waste classification accuracy with Channel and Spatial Attention-Based Multiblock Convolutional Network" in "SCI" indexed journal "Environmental Monitoring and Assessment".

10. Kavitha S, Kotadi Chinnaiah has published a paper titled "Customised Convolutional Neural Network With Transfer Learning for Multi-Nutrient Deficiency Identification With Pattern and Deep Features in Paddy Image" in "SCIE" indexed journal "Journal of Phytopathology".

11. Manish Balia, VedPrakash, Mishraa, Anuradha Yenikar, Diptee Chikmurge has published a paper titled "QuantumNet: An enhanced diabetic retinopathy detection model using classical deep learning-quantum transfer learning" in "Scopus" indexed journal "MethodsX".

12. Pranali P. Lokhande, Kotadi Chinnaiah has published a paper titled "Heart Disease Detection and Prognosis Using IoT-Based ECG Sensor Data with Hybrid Deep Learning Architecture and Optimal Resource Allocation" in "SCIE" indexed journal "Cybernetics and Systems: An International Journal, Taylor & Francis".

13. Vijaykumar P. Mantri, Sandip Thite has published a paper titled "Real Time Multiple Face Recognition using Intra-Layer, Inter-Layer and Hybrid Parallelism" in "Scopus" indexed journal "Journal of Information Systems Engineering and Management".

14. Sandeep Dwarkanath Pande, Pala Kalyani, S Nagendram, Ala Saleh Alluhaidan, G Harish Babu, Sk Hasane Ahammad has published a paper titled "Comparative analysis of the DCNN and HFCNN Based Computerized detection of liver cancer" in "SCIE" indexed journal "BMC Medical Imaging".

15. Divanshu Singh, Sunita Shivprakash Barve and A. Krishna Dwivedi, has published a paper titled "OptiASAR: Optimized Aspect-Based

Sentiment Analysis of Reviews With BiLSTM-GRU and NER-BERT in Healthcare Decision-Making” in “SCIE” indexed journal “IEEE Access”.

16. Nilesh P. Sable, Vijay U. Rathod, Rahul B. Mannade, Kanchan Sitaram Pradhan, Ravindra S. Tambe, Rahul Ganpat Raut has published a paper titled “Exploring Deep Learning in Cricket: A Shot Detection and Analyzing Techniques” in “Scopus” indexed journal “Journal of Information Systems Engineering and Management”.

17. Chitrakant Banchhor, Manoj Kumar Rawat, Rahul Joshi, Dharmesh Dhabliya, Omkaresh Kulkarni, Sandeep Dwarkanath Pande, Umesh Pawar has published a paper titled “Integration of software-based cognitive approaches and brain-like computer machinery for efficient cognitive computing” in “Scopus” indexed journal “Neuroscience Informatics”.

18. Jameer Kotwal, Pravin Futane, Jithina Jose has published a paper titled “Sensor Infused Quantum CNN for Diabetes Disease Prediction and Diet Recommendation” in “SCIE” indexed journal “International Journal of Computational Intelligence Systems”.

19. Anita Shingade, Laxmi Kale, Sapna Kolambe, Radha Deoghare, Sphurti Deshmukh has published a paper titled “Real-Time Weather Forecasting System Using Open WeatherMap API and Django MVC Architecture” in “Scopus” indexed journal “International Journal of Environmental Sciences”.

20. Pranali P. Lokhande, Kotadi Chinnaiah has published a paper titled “Combined Signal, Medical, and Transform Feature Set Based Heart Disease Classification Model Using Electrocardiogram Signal via IDCNN-LSTM Architecture: An IoT Scenario” in “Scopus” indexed journal “International Journal of Image and Graphics”.

21. Patil, P., Kadam, S.U., Aruna, E.R., More, A., M., B.R., Rao, B.N.K. has published a paper titled “Recommendation system for e-commerce using collaborative filtering” in “Scopus” indexed journal “Journal Européen des Systèmes Automatisés”.

22. Harsha Bhute, Avinash Bhute, Smita Kulkarni, Sandeep Pande, Anish Powar, Shivanand Hattali, Yash Salunke, Jaysingrao Talekar has published a paper titled “Equipment Usage Detection for Reducing Building Energy Demand” in “Google Scholar” indexed journal “Journal of Electrical Systems”.

23. Kavitha S., Kotadi Chinnaiah has published a paper titled “Multi-Nutrient Deficiency Identification via Improved LinkNet-SqueezeNet Model and Improved BIRCH based Segmentation” in “Scopus” indexed journal “International Journal of Intelligent Systems and Applications in Engineering”.

24. Jameer Kotwal, Amruta Surana, Pallavi Adke, Krunal Pawar, Asma Shaikh, Vajid Khan has published a paper titled “Deep-feed: An Internet of things-enabled smart feeding system” in “Scopus” indexed journal “IAES International Journal of Robotics and Automation (IJRA)”.

25. Harshala Shingne, Diptee Chikmurge, Priya Parkhi, Poorva Agrawal has published a paper titled “Design of an integrated model using deep reinforcement learning and Variational Autoencoders for enhanced quantum security” in “Scopus” indexed journal “Methodsx”.

26. Neha Hajare, Dr. Anand S Rajawat has published a paper titled “IoT based smart agri system: deep classifiers for black gram disease classification with modified feature set” in “Scopus” indexed journal “International Journal of System Assurance Engineering & Management”.

27. N Nanda Prakash, V Rajesh, Syed Inthiyaz, Rahul Joshi, Dharmesh Dhabliya, Rakesh Ranjan, Pramod Ganjewar, Shaik Hasane Ahammad has published a paper titled “Deep Classification Framework for Real-Time Imbalanced Liver Tumor Databases using Combining Probabilistic Segmentation with Ensemble Feature Extraction” in “Scopus” indexed journal “International Journal of Environmental Sciences”.

28. N. Nanda Prakash, V. Rajesh, Syed Inthiyaz, Rahul Joshi, Dharmesh Dhabliya, Sumit Kumar, Shaik Hasane Ahammad, Sandeep Dwarkanath Pande has published a paper titled “Multi-Class Liver Tumor Detection Through Ranking-Based Probabilistic Segmentation And Automated Feature Extraction Framework” in “Scopus” indexed journal “International Journal of Environmental Sciences”.



Student Publications

1. Ashish Gaikwad, Shoaib Shaikh, Atharva Doundkar, Ranjana R. Badre has published a paper titled “IoT-based Real-Time Data Acquisition System for Non- Programmable Machines with Dashboard Visualization” in “Scopus” indexed journal “GRENZE International Journal of Engineering and Technology”.
2. Shraddha Vijay Mune, Dr. Sandeep Pande has published a paper titled “Social Distancing and Face Mask Detection using GoogleNet “ in “Scopus” indexed journal “Grenze International Journal of Engineering and Technology”.
3. Aditya Goutam , Sunit Trivedi, Veeraj Goudar, Nehaal Pandey, Sunita S. Barve has published a paper titled “Mythological Story Teller: Extending Scope Of Deep Learning To Indian Mythology” in “Scopus” indexed journal “Frontiers in Health Informatics”.
4. Asmita B. Padghan, Dr. Pramod D. Ganjewar has published a paper titled “Bioanalytical Imaging In COVID-19: AI-Driven Segmentation Of Chest CT Anomalies For Clinical Assessment” in “Scopus” indexed journal “Journal of Applied Bioanalysis”.
5. Samit Arun Ingole, Shitalkumar A Jain has published a paper titled “Text Information Extraction from Images” in “UGC Care” indexed journal “Industrial Engineering Journal”.
6. Aadarsh Wadile, Akash Nalawade, Parth Wattamwar, Vedant Kasat, Pramod Ganjewar has published a paper titled “Voice Dubber – Voice, Text, Caption Translation Solution” in “Google Scholar” indexed journal “African Journal of Biomedical Research”.
7. Sankalp Khilari, Anish Ghanwat, Shashank Patil, Vishwajeet Gaikwad, Dr. Pramod Ganjewar has published a paper titled “Parking Allocation System - Using YOLO, EasyOCR, and Video Analytics for Real-Time Slot Detection and Number Plate detection for Vehicle Security” in “Google Scholar” indexed journal “African Journal of Biomedical Research”.
8. Dipak A Jain, Shitalkumar A Jain has published a paper titled “A Novel Stacking-Based Hybrid Ensemble Learning Model for

Pneumonia Detection” in “Google Scholar” indexed journal “African Journal of Biological Sciences”.

9. Samit Arun Ingole, Shitalkumar A Jain has published a paper titled “Text Information Extraction From Images Using Deep CNN” in “Scopus” indexed journal “International Journal of Environmental Sciences”.

Conference Paper Presentation

1. Pranav Nahe, Aditi Ujalambkar, Diptee Chikmurge, Sunita Barve have presented a paper titled “A Comprehensive Analysis for Facial Animation using Thin Plate Splines and First Order Model” in the “2024 Second International Conference on Networks, Multimedia and Information Technology (NMITCON)” on 09–10 August 2024.
2. Akshay Bhosale, Piyush Girase, Atharva Waghmare, Sunita Barve, Diptee Chikmurge have presented a paper titled “Predicting Human Body Prakriti with Ayurvedic Tridosha Features using Ensemble Learning Models” in the “2024 International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS)” on 23–24 August 2024.
3. Apurv Ghotekar, Swarup Kanade, Omkar Kanade, Diptee Chikmurge have presented a paper titled “Enhanced Vehicle Detection and License Plate Recognition for Intelligent Transportation Systems” in the “2024 Parul International Conference on Engineering and Technology (PICET)” on 03–04 May 2024.
4. Dhruvil Jain, Sakshi Ugake, Diptee Chikmurge, Sunita Barve have presented a paper titled “Enhancing Image Captioning through the Integration of Image Processing and NLP” in the “8th International Conference on Computing, Communication, Control and Automation (ICCUBEA-2024)” on 23–24 August 2024.
5. Viraj Chudasame, Parth Wani, Dhawal Turkar, Sunita Barve, Diptee Chikmurge have presented a paper titled “Age Adaptive Lung Cancer Prediction using Ensemble Learning” in the “2nd International Conference on Integrated Intelligence and Communication Systems (ICIICS-2024)” on 22–23 November 2024.

6. Snehal Mali, Moiz Bohari, Aukar Gurnule, Diptee Chikmurge, Sunita Barve have presented a paper titled “Enhancing Dermatological Diagnosis: A Deep Dive for Skin Lesion Classification” in the “IEEE North Karnataka Subsection Flagship International Conference (NKCon-2024)” on 21–22 September 2024. National Patent Publications Sahil Nitesh Gupta, Rucha Hilal Patil, Pravin Balaji Chilakawar, Divyansh Vilas Sawant and Shubhangi Prabhakar Kale have published a National Patent titled “CHEATERALERT: Detecting Malpractices in Online Exams” with Application No. “202421033193” published on 02-05-2025.

skills. The training was conducted by resource person Mr. Sumant Parkhi from We Build Pvt. Ltd, Nashik



ISO 21001:2018 Internal Auditors Training Session

FDP Organized

1) One Day Awareness Workshop about NEP 2020 Structure Implementation for Teachers and Administrative Staff 2024 sponsored by SPPU for Rs. 50000/- organized by Dr. Sunita Barve, Deputy Director Academic and Research, MIT Academy of Engineering. Teachers and administrative staff have gained a deeper understanding of NEP 2020 structure and its implementation, how the credit framework is proposed and how the multiple entry and exit points are provided in the NEP 2020 structure for students

3) International Faculty Development Program on AI And Gen AI with Industry Application is organized by 7/16/2024 To 7/20/2024 by Krunal B Pawar, Anuradha Pawar collaborated by ExcelR.



NEP 2020 Structure Implementation Workshop

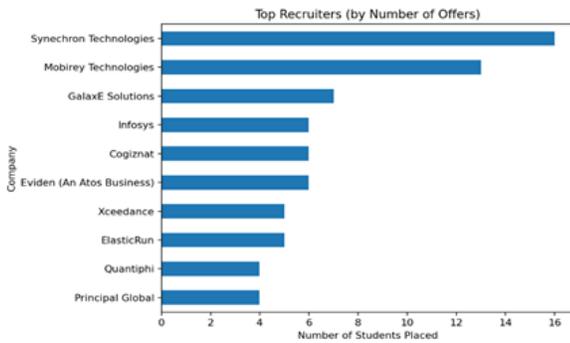
2) From 30th September to 1st October 2024, Shubhangi Kale coordinated a 2-day ISO 21001:2018 Internal Auditors Training at the institute level. The program, attended by 27 faculty members, aimed to enhance understanding of the ISO 21001:2018 standard and to develop effective internal auditing

International Faculty Development Program on AI And Gen AI

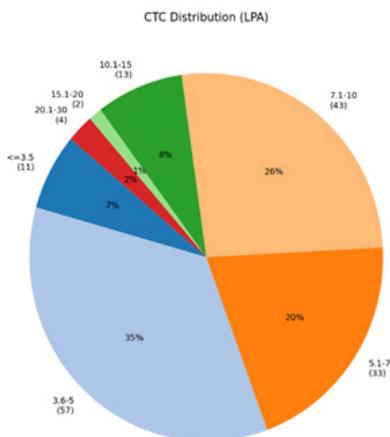


Placement Details

MITAOE's 2024–25 campus hiring saw 151 verified offers, with CTCs ranging from ₹1.8 LPA to ₹27 LPA (median ₹5.5 LPA, average ₹7.06 LPA). Leading recruiters included Synechron Technologies (16 offers), Mobirey Technologies (13), GalaxE Solutions (7), Infosys (6), Cogiznat (6), Eviden—An Atos Business (6), and Xceedance/ElasticRun (5 each). Premium roles came from Juspay (up to 27 LPA), PhonePe (23.2 LPA), Cisco (18 LPA), JP Morgan (16 LPA), IBM (11 LPA), and PTC, Contentstack, Flextrade, Oracle Financial/OFSS, among others, underscoring strong industry trust in our graduates.



Top Recruiters



CTC Distribution

Semester Long Internship Program

The Semester Long Internship Program (SLIP) has demonstrated a consistent upward trajectory in student participation over the past academic years. Student Count 144

Highest Stipend (Rs) 100000/-

Average Stipend(Rs) 210000/-

The Semester Long Internship Program expanded impressively, with participating companies surging to 64, including giants like IBM, Cisco, Morgan Stanley, BNY Mellon, BMC Software, KPIT, PTC Pvt Ltd, Seagate, Tech Mahindra—boosting industry ties and student opportunities

Outreach Activities

1) Outreach activity on Raise knowledge of the area of Computer Engineering and Upcoming Technologies was organised on 21st November 2025 at Someshwar vidhyalay & Junior College Someshwarnagar, Baramati, pune



Empowering students with career awareness and future skills



2) "Awareness session on diverse career opportunities" along with a basic Introduction to Artificial Intelligence was conducted at Priyadarshani School, Dighi on 3rd October 2025.



Informative Session on Artificial Intelligence (AI), Focusing on It's Applications, Benefits, and Impact In Today's World.



Session on Career Opportunities in Computer Engineering and It's Various Specialization Branches

Parent-Teacher meet

The Parent-Teacher Meet aims to strengthen the partnership between parents and faculty by providing a platform to discuss students' academic progress, attendance, behavior, and overall development. It fosters transparent communication, aligns expectations, and encourages collaborative efforts to support students' educational and personal growth. Parent-teacher meet was organised on 29 March 2025.



Glimpses from Parent-Teacher Meet





Alumni Meet

The Department of Computer Engineering, MIT Academy of Engineering, organized a School Level Alumni Meet on 16th November 2024 to facilitate interaction between alumni, students, and faculty. The event helped students gain valuable guidance on placements, higher studies, internships, and core subject preparation through alumni experiences and discussions.



Welcome to alumni by Dr. M.N. Vharkate



Alumni Prashant Jondhale, Gajanan Mundhe and Akansha Misal interacting with students



Alumni with Teachers



Dr. P.D. Ganjewar, HOD Presenting Department

Industrial Visits

1. Industrial Visit to SUMAGO Infotech Pvt. Ltd., Pune

An industrial visit to SUMAGO Infotech Pvt. Ltd., Pune was conducted on 17 February 2025 for Computer Engineering students. The visit aimed to provide practical exposure to IT industry practices and real-time software development environments. Students interacted with professionals and learned about development lifecycles, tools, and live projects. The visit strengthened students' industry awareness, technical understanding, and professional readiness.



Industrial Visit to PMC Disaster Management Department, Pune



3. Industrial Visit to C-DAC, Pune
 An industrial visit to the Centre for Development of Advanced Computing (C-DAC), Pune was conducted on 14 February 2025 for final-year students. The visit focused on supercomputing, AI research, and high-performance computing systems. Students learned about PARAM Siddhi-AI and national-level computing initiatives. The visit enhanced awareness of advanced research and industry-grade computing applications.

Industrial Visit to SUMAGO Infotech Pvt. Ltd., Pune

2. Industrial Visit to PMC Disaster Management Department

An industrial visit to the Disaster Management Department, Pune Municipal Corporation, was organized on 14 January 2025 for SY B.Tech students. The objective was to understand the application of sensor technology and data-driven systems in disaster management. Students observed flood monitoring, traffic control, and city surveillance systems. The visit improved students' understanding of smart city infrastructure and public safety technologies.



Industrial Visit to C-DAC, Pune





4. Industrial Visit to LTIMindtree, Pune
An industrial visit to LTIMindtree, Pune was conducted on 17 February 2025 under the AICTE Vishwaguru initiative. The visit aimed to provide exposure to AI-driven enterprise solutions and Multi-Agent Systems. Students interacted with industry experts and observed real-world AI project workflows. The visit offered valuable insights into industry practices, ethics, and AI career pathways.

Industrial Visit to LTIMindtree, Pune



Organized

1. Guest Lecture on Data Structures Decoded: Boosts Placement Skills

A guest lecture on Data Structures Decoded was conducted on 14 November 2024. The session focused on strengthening placement-oriented data structure concepts. Students gained clarity on stacks, queues, hashing, and searching techniques. The lecture improved students' interview preparedness.



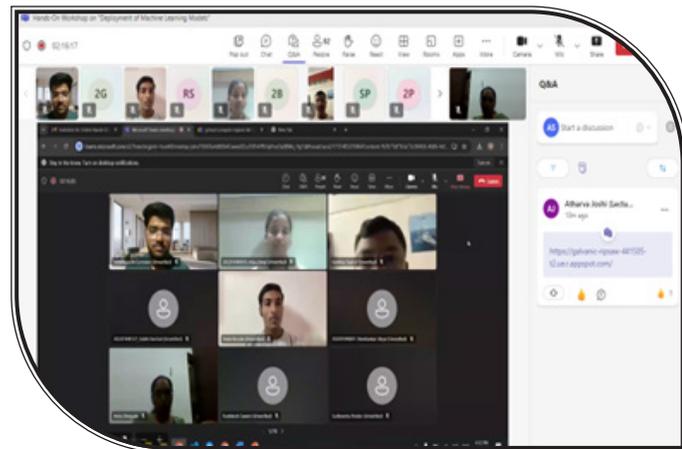
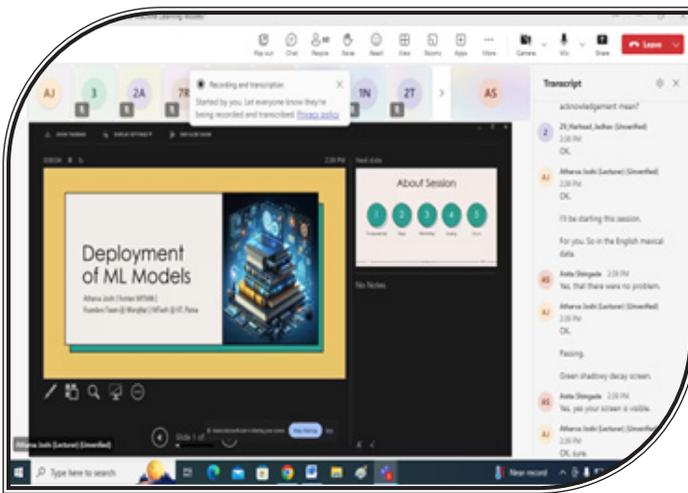
Guest Lecture on Data Structures Decoded: Boosts Placement Skills

2. Hands-On Workshop on “Deployment of Machine Learning Models

A one-day online hands-on workshop on “Deployment of Machine Learning Models” was organized by the School of Computer Engineering for third-year students of MDM AI-ML and PEC AI-ML courses. The workshop aimed to equip participants with real-world skills for deploying machine learning models in production environments. Students successfully deployed their

Student Development Activities

ML models on a live platform during the session.



Hands-On Workshop on “Deployment of Machine Learning Models

3. Hands on Workshop on Linux Internals and Kernel Programming under ACM Student Chapter The session focused on guiding students through Linux kernel programming, including setting up the development environment and writing kernel modules. Participants gained hands-on experience in creating, compiling, and managing kernel modules, along with an introduction to device driver development (character and block drivers). Explained the Linux kernel’s role in hardware management, memory, processes, and device interaction. Students were also trained in kernel-level debugging using tools like dmesg, gdb, and kernel logs, and were encouraged to contribute to the Linux open-source community.



Hands on Workshop on Linux Internals and Kernel Programming

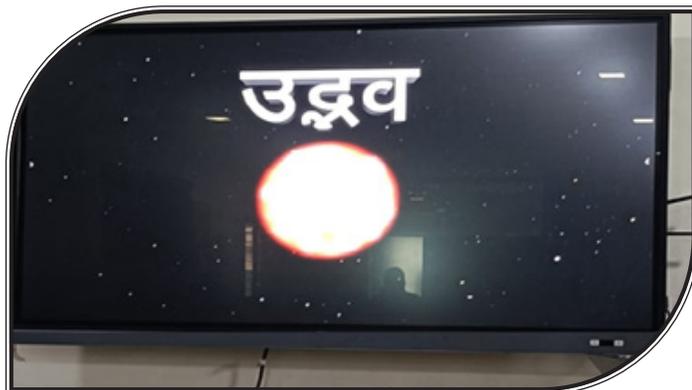
4. IBM Student Developer Program on GenAI and Data Science through IBM Watsonx The IBM Student Developer Program was conducted on 19 September 2024. The program introduced students to generative AI and data science using IBM Watsonx. Students gained hands-on exposure to AI tools and cloud platforms. The program strengthened industry-ready AI skills.





IBM Student Developer Program on GenAI and Data Science through IBM Watsonx

5. Latest Techniques in Computer Graphics
 A guest lecture on Latest Techniques in Computer Graphics was conducted on 8 November 2024. The session introduced modern rendering and visualization techniques. Students learned about real-world graphics applications. The lecture enhanced understanding of contemporary computer graphics.



Latest Techniques in Computer Graphics

6. **TECHNODIUM '25 – National Level Project Competition**

TECHNODIUM '25 was a national-level project competition held on 29 March 2025 at MITAOE. The event provided a platform for showcasing innovative hardware and software projects. Over 275 participants from across India took part. The competition strengthened problem-solving, teamwork, and industry-readiness skills.



Glimpses from Technodium



TECHNODIUM '25 – National Level Project Competition

7. ACM Tech Talk on “Mathematical Modelling in Computer Science”

An Institute-Level ACM Tech Talk on “Mathematical Modelling in Computer Science” was conducted on 14th November 2024 .The session was delivered by Dr. Abhijit Vichare, ACMIndia. He discussed the role of mathematics in modeling computer science problems, ensuring algorithmic correctness, analyzing system behavior, and supporting intelligent decision-making. The talk highlighted fundamental principles of mathematical modeling using real-world examples and introduced students to standard notations used in model formulation.



MIT AOE ACM student chapter team with Resource person

8. Workshop on “Concepts of Cloud and AWS Cloud Practitioner”

A College-Level Workshop on “Concepts of Cloud and AWS Cloud Practitioner” was conducted on 18th October 2024. The resource person explained core cloud computing concepts, AWS Cloud Practitioner fundamentals, and key services such as EC2, S3, and RDS. He also highlighted cloud security, billing, architecture principles, and the career benefits of AWS certification, helping students understand cloud usage and certification pathways.



Workshop on “Concepts of Cloud and AWS Cloud Practitioner

9. Workshop on “Intermediate and advanced level cloud Associate”

A College-Level Workshop on “Intermediate and Advanced Level Cloud Associate” was conducted on 25th October 2024. The session was delivered by Mr. Sanket Nagare (Vice President and Software Developer, Worqhat). The workshop focused on intermediate and advanced cloud computing concepts, including cloud architecture design, deployment, optimization, and security. Mr. Nagare also emphasized the importance of AWS Associate-level certifications in developing practical expertise, enabling students to manage complex cloud environments and prepare for advanced roles in the cloud computing domain.



Workshop on “Intermediate and advanced level cloud Associate”

10. Guest Lecture on “Application of Data Structure in Industry”

The session on “Use of Data Structures in Real-Time Industry Applications” focused on applying core data structure concepts to practical problem statements provided by industry. The resource person explained the foundational role of data structures in building efficient and scalable software solutions. He discussed real-world applications of arrays, linked lists, stacks, queues, heaps, and tries in areas such as database indexing, file systems, network optimization, firewall systems, and real-time analytics. The session helped students understand how data structures are used to solve real-time problems in industry scenarios effectively.



Guest Lecture on “Application of Data Structure in Industry”

Sports

An Indoor Game Activity (Chess & Carom) was organized at the department level from 29th to 31st July 2024, the event aimed to welcome students to the new academic year, provide recreation, and offer a platform to showcase sporting talent. Through games like chess and carom, students enhanced their tactical thinking, decision-making, and strategic skills. The three-day activity allowed flexible participation, and students actively enjoyed and engaged in the event.



Student Achievements 2024-25

1. Smart India Hackathon

Multiple student teams achieved national-level success in Smart India Hackathon (SIH) 2024 – Software Category, showcasing innovation and social impact. Team Bhasha Setu developed a learning app for the deaf and mute with sign language–English/Gujarati conversion for the Government of Gujarat. Team ARAMBH_99 built an AI-powered student assistance chatbot for the Department of Technical Education, Government of Rajasthan. Team PRAVAAH worked with the Ministry of Railways to enhance navigation for railway station facilities and locations. Team Parikshit created a learning path dashboard to enhance skills for the Government of NCT of Delhi. All teams emerged as national winners, each receiving a cash prize of ₹1,00,000, during events held between 11–14 December 2024.



SIH Team Pravah



Team Shashwat at the SIH Venue



SIH Team Bhashasetu



SIH Team Shashwat



SIH Team Aarambha_99

2. Techsaksham

Viraj Mandlik and Guruprasad Dahiphale emerged as National Winners of the Tech Saksham program. The competition was organized by Microsoft at the national level.

Their achievement was recognized on 4 April 2025, highlighting excellence in technology and innovation.



Techsaksham Showcase



4. IBM Hackathon Showcase Viraj Mandlik and Guruprasad Dahophale won the first prize at IBM Hackathon on 31st January 2025.



3. Cavista Hackathon
Viraj Mandlik, Vishal Kesharwani, Parth Kulkarni, kartikey Sapkal, Dhanwantari Chavan, Vidya Bingi, Yash Gunjal won the first prize at National level hackathon organized by Cavista Technologies on 22-23 February 2025



IBM Hackathon Winner

5. Jallosh- Cultural Event
Nachiket Challawar won the first prize at “Bhartiya Swarvaadya Vaaadan” at the cultural event Jallosh 2025, organized by Dr. D.Y.Patil College of Arts, Commerce and Science, Pimpri,Pune.



Winner at Cavista Hackathon





6. Indradhanush 2024

Indradhanush 2024 is a State-level Inter-University Youth Festival where youths across various universities in Maharashtra showcase and compete in their talents. Two students, Nachiket Chalhawar and Aayush Tilekar, from MIT Academy of Engineering were selected for Western group song and Indian group song events by Savitribai Phule Pune University. The SPPU team bagged a total of 12 trophies, Aayush Tilekar and Nachiket Chalhawar secured the 2nd place in the state-level competition for the Western group song.

7. Siddhi Chapre, Viraj Mandlik, Guruprasad Dahiphale, Vishal Kesharvani and Hanumant Kakade won first prize at the E-Summit for a startup idea. They presented an "Reportease Portal: From Data to Decision- A simplified reporting for Institutes".



8. Firodiya Karandak 2025

First runner up for the ekankika named "Dhartichi Amhi Lekare" , at the Firodiya Karandak, Marathi Ekankika Spardha, an annual inter-collegiate performing arts competition held in Pune, Maharashtra, focusing on original, live performances. Known for fostering creativity among youth, it showcases a blend of drama, music, dance, shadow plays, and art. Nachiket Chalhawar and Om Kolte from Computer Engineering department were actively participated





Dean
Dr. Dipti Y.Sakhare

School of
Electronics and
Telecommunication Engineering

Student Achievement

2024-25

1. Rajiv Goyal and Parshav Dongare from TYBTech E&TC won the Full Stack Apps competition under PROMPTWARS 2025 event organized by IEEE Student chapter MITAOE



2. Achieved 1st prize at Vidnyan Ekankika and selected for finals State level competition to be held at Mumbai.



3. Pimpri in Jallos 2025, MITAOE participated and Won 9 medals in 10 events and stood 2nd in Championship.



4. Pritesh Purkar, Om Kolte achieved first runner up position in Israeli-Indian Hackathon 2025 organised by the Center of Excellence in Data Science and AI.

5. Saras Kakade and Vinit Chaudhari Final Year shortlisted in the top 10 finalists to pitch at the national level event "Enable the Shakti- 3rd Edition," startup incubation on 18th July 2025.

6. Ayush Tilekar BTech ENTC student Represented Savitribai Phule Pune University at State level competition in Western Group Song at Indradhanush 2025 and achieved following prizes

- Indian Light Vocal - Second
- Indian Classical - Second
- Natyasangeet - Second
- Clay modelling - First
- Quiz - Third
- Western Instrumental - Second
- Ekankika - First





7. The SPPU Chess Tournament - Shravani kale (TY ENTIC) selected for Zonal Round and received 2nd Prize



8. Drama club received overall 2nd Prize in Vidyan Karandak and won 5 individual prizes. Team will participate in final round at Navi Mumbai.



9. Akshada Sonawane, SYB Tech ENTIC, Won the first prize in the Pune District Youth Festival for speech competition on the topic "Democracy and the protection of democratic values." And is now selected to represent pune at the zonal level, which is to be held at Baramati. Organized by nehru Yuva Kendra sanghathan and ministry of youth affairs.



10. Vaishnavi Thawari, Apurva Sorte, Purva Dhote, Minal Belge students received best paper award in International Conference on Knowledge Driven Approaches in VLSI and RF Design held at National Institute of Technology, Uttarakhand India

11. Nutan V. Bansode and team received best paper award in IEEE, 9th International Conference on Computing Communication Control and Automation for paper titled "An Automated Real time Image driven quality control – A vision based solution for Industrial object classification"



12. Ayush Nagras, Vaibhav Tajane, Govind Suryawanshi, Vedant Tarate TYBTech students received 2nd position in 8th IEEE Pune Section International Conference on Generative Futuristic Systems.



13. Rushi Gawande (B-TECH ENTC), Kaushal Bodade (TY ENTC), Swati Trimukhe (TY ENTC), Aditi Bhavar (SY ENTC), Ishwar Ghiram (SY ENTC) students participated in the Robotex Drone Race Competition held at the MIT ADT, Loni. Secured 2nd Prize: Team Pheonix and 3rd ranks: Team Falcon Eye at Robotex India Competition and Won Rs. 50,000 prize.



14. Drone Club students participated in the VIT Chennai Drone Competition, held during 31st October to 2nd November and achieved success

1. Rogue Route (Line of Sight Category)
 - 1st Place – Team Sky Syndicate by Ishwar Ghiram (SY ENTC)
 - 2nd Place – Team Phoenix by Kaushal Bodade (TY ENTC) & Rushikesh Gawande (B.Tech ENTC)
2. Rotor Rush (FPV Category)
 - 2nd Place – Team Phoenix by Kaushal Bodade (TY

ENTC) & Rushikesh Gawande (B.Tech ENTC)

15. The final year students team lead by Gayatri Mene and Guided by D.Y Sakhare has presented the Projects in medicine domain in the Avishkar at SPPU, Pune

16. EVENT DETAILS: TechFest 2025 - IIT Bombay (Asia's Largest Tech Festival)
- Competition: Zerve AI Datathon
 - Level: National

ACHIEVEMENT:
2nd Position Overall (Runner-up)
Best Machine Learning Model Award

- Team Members:
1. Neeraj Ganesh Parekh - ENTC, 2nd Year
 2. Airah Zutshi - ENTC, 2nd Year



17. Mr. Sumit Kumar (TY ENTC), Captain of the MITAOE Football Team, has been selected for the Inter University Football Team. He will be representing the Pune Zonal Football Team. He played a pivotal role in securing First Position, thereby earning the opportunity to represent the Inter University Team at Gujarat next month. He has also received the official selection letter confirming his participation at the Inter University level.





18. Airah Zutshi and Neeraj Parekh selected as NATIONAL FINALIST in Strategy & Case Competition, PackEdge competition held at Consulting Core Group (CCG), TechFest IIT Bombay

19. Shivraj Nalawade, Aditya Kumbhar, Samarth Tikotkar and Kishan Shukla secured 1st place in Hack Matrix 4.0 (24-hour hackathon) under the Miscellaneous track at PCCOE, held as part of ARTIMAS .

20. Drone Havoc competition, part of the Tekron 2.0 fest organized by Newton School of Technology. The event was held at Ajeenkya DY Patil University, Lohegaon on . Rushi Gawande - BTech ENTC, Sandesh Gome - TY ENTC, Kaushal Bodade - TY ENTC, Swati Trimukhe - TY ENTC, Aditi Bhavar - SY ENTC, Ishwar Ghiram - SY ENTC, Harsh Golde - SY ENTC, Aditya Patil - FY ENTC





Dean
Mr. Santosh Trimbak
Warpe

School of
Information Technology



VISION

To develop the department into a globally recognised academic hub, cultivating students' academic and technical competencies, and equipping them to address the complexities of real-world problems

MISSION

Focusing on co-curricular and extracurricular activities along with curricular activities for holistic development.

- Enhancing the curriculum with adaptive teaching and innovative pedagogical assessment.
- Developing career-oriented skills such as employability, leadership, entrepreneurship, and ethical values.

Message from HOD

The Information Technology program equips students with the skills and knowledge necessary to thrive in the fast-paced tech industry. Focusing on areas such as software development, data management, cybersecurity, and networking, the program prepares graduates for diverse IT roles across various sectors. Students gain hands-on experience with the latest technologies, fostering problem-solving and innovation. The curriculum emphasizes critical thinking, project management, and industry-specific applications, ensuring graduates are ready to meet the challenges of the ever-evolving digital landscape. The program is designed to develop versatile IT professionals capable of addressing global technological challenges and advancing in their careers.

Academic Initiatives

The department has undertaken several academic initiatives aimed at strengthening teaching–learning practices and fostering intellectual growth among students. These include the introduction of value added and skill-oriented courses, regular workshops and seminars by experts, encouragement of research and innovation through projects and paper presentations, and the use of ICT-enabled teaching methods. Such initiatives create a dynamic academic environment that promotes critical thinking, interdisciplinary learning, and overall academic excellence.

Student achievements

1. Chirag Ghag secured 1st Prize in the Smart India Hackathon .

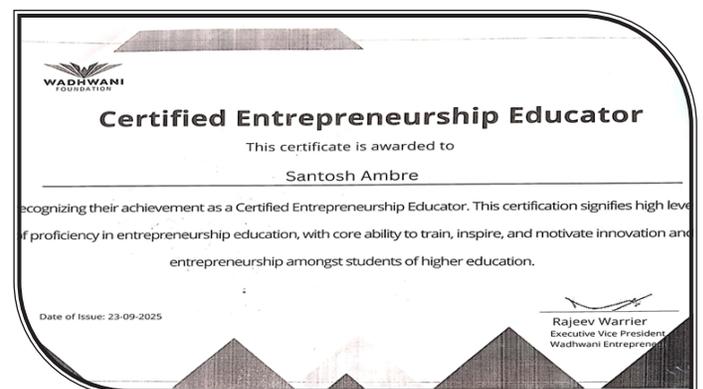


2. Vedant Desai has secured second prize in the competition of “codewars” organised by AlgoVedas Club Under the Department of AIML student association .



Faculty Achievements

- 1) Prof. Asmita Mali has successfully Mentor for Introduction to Internet of thing on scoring 137 point and guiding a Topper/Gold Medalist mentee.
- 2) Prof. Santosh Ambre has successfully Passed the criteria for Panelist Trainer for Wadwani foundation USA and SPPU Pune collaboration for their all India program Awarded as a classified Entrepreneurship Educator.





Research & Publications

Faculty Journal Publications

1. Mrs.Pragati Deole has published a paper titled “Design and implementation of IOT-Enabled Embedded system for smart home Automation” in “Scopus” indexed journal “International Journal of Environmental Science “.
2. Prateek Meshram has published a paper titled “Enhancing smart home security with graph neural network for intrusion detection” in “Scopus” indexed journal .

Industry interactions and industrial visit

The Department organized an industry visit for SY student to MITCON The visit was conducted to provide students with practical exposure to the industrial environment. Industry experts at MITCON explained various IT-related activities, emerging technologies, and professional practices. Students gained valuable insights into real-world applications of theoretical concepts. The visit also helped students understand industry standards and work culture. Overall, the industry visit was informative and beneficial.



Internships

- 1.Zaki Shahpure has successfully completed his internship at BTD Service India



Major events, FDPs, workshops, seminars, and outreach activities FDP

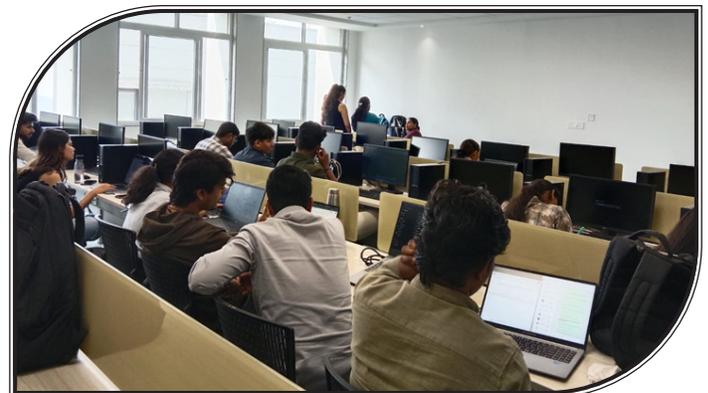
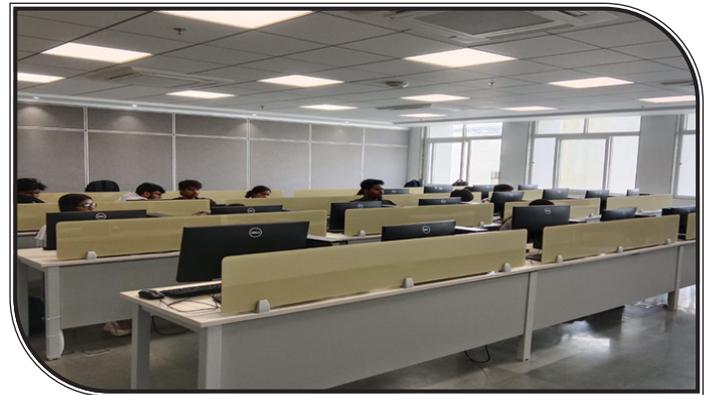
1. Mrs. Asmeeta Mali has successfully completed Faculty Development program on OBE and Accreditation during NPTEL course July to oct 2025.
2. Mr.Sopan Babu Kshirsagar has successfully completed UGC Malviya Mission Teachers Training Program Organized by withst. francis institute of management & research , borivili, mumbai from.
3. Mr.Sopan Babu Kshirsagar has successfully completed Faculty Development program on Next Generation Communications Organized by kits akshar institute of technology from.
4. Mrs. Asmeeta Mali has successfully completed NPTEL Course on OBE and Accreditation during July to oct 2025.
5. Mrs. Pragati A.Deole has successfully completed NPTEL Course on Machine Learning and Deep Learning - Fundamentals and Applications .
6. Mrs. Asmeeta Mali has successfully completed Faculty Development program on Introduction to Internet of Thing during NPTEL course
7. Mrs. Pragati A.Deole has successfully completed faculty development program on Machine Learning and Deep Learning - Fundamentals and Applications .
8. Mrs. Asmeeta Mali has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Security and Privacy issues and their countermeasures in the era of Artificial Intelligence at DELHI TECHNOLOGICAL UNIVERSITY .
9. Mrs. Pragati Deole has attended 3rd international conference on Emerging Trends and Innovation in ICT, at PICT ,Pune.

10. Sopan kshirsagar has successfully completed 5 day FDP on power converter using Matlab simulink at MMCOE.

11. Mr. Sopan Babu Kshirsagar, has successfully completed One Day Faculty Development Program on “Excellence in Research: Crafting High Impact Papers and Winning Research Proposals”, organized by Research and Development Cell, MIT Academy of Engineering, Alandi, Pune,

12. Mr. Pragati Deole, has successfully completed One Day Faculty Development Program on “Excellence in Research: Crafting High Impact Papers and Winning Research Proposals”, organized by Research and Development Cell, MIT Academy of Engineering, Alandi, Pune,

13. Santosh Ambre has successfully completed AI Agents Masterclass at pantech e learning pvt.Ltd channai from.





Dean
Dr. Abhijeet. M. Malge

School of
MECHANICAL Engineering

Message from the Head of the Department: Dr. A. M. Malge

Dear Students, Faculty, Alumni, and Well-wishers,

It is with immense pride and great pleasure that I pen this message for our college magazine Ajaanvriksha a wonderful platform that showcases the creativity, talent, and relentless spirit of our Mechanical Engineering family.

Mechanical Engineering continues to remain the evergreen and most versatile branch of engineering. In an era defined by rapid technological advancements — from sustainable energy solutions and electric mobility to Industry 4.0, additive manufacturing, robotics, and AI-integrated design — our discipline stands at the forefront of shaping the future. Our department has always strived to prepare students not just as competent engineers, but as innovators, problem-solvers, and responsible leaders who can address global challenges.

This academic year has been truly remarkable. Our students have excelled in academics, securing top ranks and university distinctions. They have brought laurels to the institution through their outstanding performances in national-level technical competitions, hackathons, SAE events like Baja and Supra, robotics championships, and paper presentations. Many of our final-year projects have focused on real-world applications — solar-powered vehicles, waste-to-energy systems, drone technology, and smart manufacturing prototypes — reflecting our strong emphasis on hands-on learning and industry relevance.

Our faculty members have continued their pursuit of excellence through research publications, funded projects, faculty development programs, and meaningful collaborations with industries and research organizations. Their dedication in mentoring students both inside and outside the classroom is truly commendable.

To our alumni, your success stories across MNCs, startups, public sector undertakings, higher education abroad, and entrepreneurship continue to inspire the current batches. Your achievements are a living testimony to the strong foundation laid during your time here.

As we flip through the pages of this magazine, you will witness the journey — the late-night project sessions, the thrill of competitions, the joy of small breakthroughs, and the unbreakable bond of camaraderie that defines our department. This edition is a celebration of that collective effort and passion.

I congratulate the entire magazine committee, student editors, designers, contributors, and faculty coordinators for their hard work and creativity in bringing out this beautiful issue.

To all our dear students: Dream big, work hard, stay curious, and never stop learning. The world needs mechanical engineers who think sustainably, act ethically, and innovate fearlessly.

Wishing you all a bright and successful future.

With warm regards and best wishes

Vision

To become the advanced center of learning by synergizing teaching, learning and cutting edge research activities to produce ethical and competent Mechanical Engineers with exposure to multidisciplinary knowledge.

Mission

Preparing industry-ready students through quality education thereby enhancing their cognitive and non-cognitive skills.
Flourishing and profusing ecosystem to accomplish the highest levels of engineering competency.
Imparting and facilitating a state of the art education for multidisciplinary research

Brief Description of Mechanical Engineering Department

The B. Tech. in Mechanical Engineering program offers a comprehensive curriculum that integrates theoretical knowledge with hands-on skill development. The program includes various practical courses such as Generative Design, Digital Twin, Computer-Aided Product Design, Mechanical Simulation, and Object-Oriented Programming.

Through the Choice-Based Curriculum System (CBCS), students can acquire interdisciplinary knowledge and pursue specializations in Computer-Aided Engineering, Robotics & Automation, and Automobile Engineering. Industry experts from renowned organizations actively contribute to skill-based courses, ensuring practical and industry-relevant learning.

Students are encouraged to file patents, launch start-ups, and present research papers at international conferences during their academic tenure. The program's diverse curriculum empowers graduates to explore career opportunities across a wide spectrum of industries, including manufacturing, automation, IT, and automotive sectors.

Many leading industries, including JSW, JCB India Ltd., SANY, Michelin, Tetra Pak, Forbes Marshall, Thermax, Capgemini (Engineering Division), Faurecia, and Linde, recruit our graduates. Additionally, the growing demand for CAD/CAM expertise in IT sectors has led to placement opportunities in companies like L&T, KPIT, Infosys, ZS Associates, Neilsoft, Cognizant, Accenture, and Deloitte.

Academic highlights and initiatives

Course: Advanced CFD

Project-Based Learning (PBL) Exhibition – 2025

Final Year B.Tech Mechanical Engineering students

Course Instructor: Dr. Pramod Kothmire, Mechanical Engineering Department

As part of the Advanced Computational Fluid Dynamics (CFD) course, the Final Year B.Tech Mechanical Engineering students organized a Project-Based Learning (PBL) Exhibition on 12th December 2025.

The exhibition featured ten laboratory-scale industrial heat exchanger models, which were designed, fabricated, experimentally tested, and numerically analyzed to enhance thermal efficiency through an integrated approach of theory, simulation, and experimentation.

The exhibition witnessed active participation from multidisciplinary faculty and students and was evaluated by industry and academic experts, including Mr. Ambadas Khandekar, Head – CAE, Tata Motors, and Dr. S. S. Mohite, COEP Pune. Dr. Sunita Barve, Dep. Director Academics & Research played a pivotal role in mentoring student teams for development of systematic flowcharts, covering the entire engineering process from conceptual design to the final product realization.

The models and research articles have been accepted for presentation at IIT Bhubaneswar during 17th–19th December 2025 at the International Congress on Computational Mechanics and Simulations, reflecting research quality and academic rigor achieved through this PBL initiative.

The projects were also supervised by Dr. Abhijeet Malge, HOD Mechanical Engineering Department. Dr. Mahesh Goudar, Officiating Director initiated collaboration with design faculty to elevate the work in terms of product aesthetics and market readiness.

This exhibition exemplifies experiential learning,



effectively bridging academia, industry relevance, and research-driven innovation.



**Examiner: Dr. Ambadas Khandekar,
Head CAE Dept., TATA Motors Pune**

2. Course Instructor: Dr. Pramod Kothmire, Ph.D. IIT Bombay Associate Professor, School of Mechanical Engineering, MITAOE Alandi Pune
Student Project Evaluation and Submission for Conference Publication: The students' project work underwent a comprehensive evaluation process, involving various experts beyond the course instructor. Dr. Mahendra Sable, a distinguished Professor at COEP Pune, meticulously scrutinized the problem statement and the entire research methodology. His valuable insights resulted in several suggestions aimed at enhancing the overall quality of the project. Prof. M. Sabale and Prof. Dr. Prashant Deshmukh, COEP invigilated the project work during the mid of the semester



Professor Prathamesh Dhamangaonkar, COEP Pune renowned in the academic community, brought his wealth of expertise to assess the projects.

Mr. Ambadas Khandekar, the esteemed Head of Research and Development (R&D) at CAE – TATA Motors Pvt. Ltd., lent industry perspective, adding a value dimension to all projects

Professor Sudesh Powar and Professor Rahul Patil, who rigorously examined the projects, ensuring that they met the academic standards set by the institution.

Faculty members from various domains disciplines within the institution visited exhibition.

**Mechanical Engineering TY Student
Project Presentation and Poster Exhibition:**



Mr. S. B. Powar 5 book publication with students:

1	Nagarhalli, P., Auti, V., Pillai, A., Surush, H., Powar, S. (2024). Experimental Comparative Analysis of Cooling Tower Efficiency Using Different Cooling Fills Materials. In: De, A., Mukherjee, P.P., Pati, S., Biswas, A. (eds) Recent Trends in Mechanical Engineering. ICROME 2024. Lecture Notes in Mechanical Engineering. Springer, Singapore.	Lecture Notes
2	Kavathale, S., Kokate, P., Katkade, V., Padale, A., Powar, S. (2024). Design and Performance Analysis of a Miniature Vapor Absorption Refrigeration System: COP Evaluation and Optimization. In: De, A., Mukherjee, P.P., Pati, S., Biswas, A. (eds) Recent Trends in Mechanical Engineering. ICROME 2024. Lecture Notes in Mechanical Engineering. Springer, Singapore.	Lecture Notes
3	Kundargi, P., Jadhav, A., Pachkudave, T., Powar, S. (2024). Optimizing Refrigerant Selection in the Food Industry Using Multi-criteria Decision-Making (MADM) and Computational Fluid Dynamics (CFD) Analysis. In: De, A., Mukherjee, P.P., Pati, S., Biswas, A. (eds) Recent Trends in Mechanical Engineering. ICROME 2024. Lecture Notes in Mechanical Engineering. Springer, Singapore.	Lecture Notes
4	Dhanedhar, A., Pradish, A., Rajhans, S., Ingale, R., Powar, S., Patil, R. (2024). Comparative Analysis of Various Phase Change Materials for Enhancing Refrigeration Efficiency. In: De, A., Mukherjee, P.P., Pati, S., Biswas, A. (eds) Recent Trends in Mechanical Engineering. ICROME 2024. Lecture Notes in Mechanical Engineering. Springer, Singapore.	Lecture Notes
5	Pakhare, R., Athavale, A., Wankhade, V., Bhagat, K., Powar, S. (2024). CFD Analysis of Refrigeration from Engine Exhaust Heat in Refrigerated Van. In: De, A., Mukherjee, P.P., Pati, S., Biswas, A. (eds) Recent Trends in Mechanical Engineering. ICROME 2024. Lecture Notes in Mechanical Engineering. Springer, Singapore.	Lecture Notes

Student achievements (academic, technical, cultural, sports, etc.)

01 Purvaja Patil
Aishwarya Pathare
Abhishek Suryawanshi
Vivek pandit
Virendra Morkar

Endurance management appreciated good performing YLIP students of Mechanical Engineering in paint shop department

02 Mr. Prashant Dharvagarwar
got research fund from ISHRAE Pune chapter society for the undergraduate project titled “Numerical simulation of air distribution in HVAC excavator (JCB) cabin ducts using computational fluid dynamics

03 Mr. Harish Shewale
TY Mechanical Engineering student got Research Project scholarship of Rs. 10000/- from Rotary club and ACR PROJECT Company by ISHRAE Pune chapter guided by Prof. V. N. Deshmuk



04 Prathmesh Yeotikar
a final year student of Mechanical Engg. Department placed at japan based company “Sizutetsu justline” with package of 14.73 LPA + additional allowance which was held in Noida in. It was all india drive & from Maharashtra only 3 students selected.

05 Lokesh Dagra
A final year student of Mechanical Engg. Department placed at Yoshino motors



06 Mr. Tejas Misal
Selected for 36th Senior National Korfball Championship, at Jalandhar Punjab during 30/01/2025 to 02/02/2025

10/08/2024 and 11/08/2024

Drone team of MITAOE – under guidance of Dr. Subrata Bhowmik National Drone Racing Event ”ROBOTEX Tech held at MIT ADT University, Loni Kalbhor, Pune won first prize of Rs. 50000/

26th & 27th Sept 2024

Drone team of MITAOE – under guidance of Dr. Subrata Bhowmik “19th AISSMS Engineering Today 2024 event” at AISSMS COE, Pune won 1st & 2nd rank

2024 Drone team of MITAOE – under guidance of Dr. Subrata Bhowmik Mindspark 24 event held at College of Engineering Pune (COEP, Shivaji Nagar) won 1st and 2nd with INR 25000 in prize money and 2 trophies

31/08/2024

MITAOE’s Aero club Team won following Awards as:
- 2nd Rank in Best Presentation for Regular Class
- 2nd Rank in Best Design Report for Micro Class At SAE ISS Drone Development Challenge 2024 held at Chennai

2024

Drone team of MITAOE – under guidance of Dr. Subrata Bhowmik “Pheonix” team won 1st & 3rd prize at National Drone Racing Event “PERSUIT’24” held at Shri Sant Gajanan Maharaj College of Engineering, Shegaon

20-25 Feb 2025

Niyudrath Racing team under guidance of Mr. B. R. Patil SAE Baja 2025 held at Hyderabad team won the prestigious title of Overall All India 4th Runner-Up.



21 to 23 Feb 2025

Drone team of MITAOE – under guidance of Dr. Subrata Bhowmik Wings 2025 event held at Government College of Engineering, Aurangabad won first & second prize of Rs. 20000 & 15000

2024 Drone team of MITAOE – under guidance of Dr. Subrata Bhowmik Phoenix” team won 2nd & 3rd prize at INOVISION-A National Level Techno-Social Symposium at JSPM Rajarshi Shahu College of Engineering Tathwade.

Faculty achievements & recognitions

01 Dr. Prafulla Hatte, Professor Featured in Business Talkz Magazine July 2024 Edition as Notable Personalities award

02 Dr. Prafulla Hatte, Professor Delivered a session in Global Entrepreneurship Educator Symposium at Podomoro University, Indonesia

03 Dr. Pramod Kothmire, Associate Professor Attended FMFP 10TH International Conference at IIT JODHPUR, where 19 papers accepted in Springer scopus held during 18-20th December 2024 by National Society of Fluid Mechanics and Fluid Power

04 Dr. Maya M. Charde, Associate Professor Successfully completed six months AICTE - QIP - PG Certification program on “High Performance Computing” during July 2024 to December 2024 (Six Months) at AICTE, CDAC & COEP Tech. Uni. Pune

05 Mr. Amol J. Asalekar, Assistant Professor Successfully completed six months AICTE - QIP - PG Certification program on “High Performance Computing” during July 2024 to December 2024 (Six

Months) at AICTE, CDAC & COEP Tech. Uni. Pune

06 Ms. A. B. Mane Assistant Professor Successfully completed six months AICTE - QIP - PG Certification program on “High Performance Computing” during July 2024 to December 2024 (Six Months) at AICTE, CDAC & COEP Tech. Uni. Pune

07 Ms. Mayuri Pokharna Completed Cisco certified network associate training during 17/5/2025 to 16/8/2025 at KR Network Cloud .

08 Dr. Vishal A Bhosale, Assistant Professor Successfully completed six months AICTE - QIP - PG Certification program on “High Performance Computing” during July 2024 to December 2024 (Six Months) at AICTE, CDAC & COEP Tech. Uni. Pune

09 Mr. Sudesh Powar, Assistant Professor Successfully completed six months AICTE - QIP - PG Certification program on “Machine Learning” during July 2024 to December 2024 (Six Months) at AICTE and IIT Surat

10 Mr. Sudesh Powar, Assistant Professor Won “Star Translator Award” for NPTEL Translation at IIT Bombay on 1st Feb 2025

11 Prof. B. R. Patil, Assistant Professor Won “Dronacharya” award second time in SAE Baja 2025 at Hyderabad on 24 Feb

12 Prof. S. B. Powar



Assistant Professor Five research papers of under the course Refrigeration & Air Conditioning presented at Scopus indexed conference organized by NIT Silchar and now published in Recent Trends in Mechanical Engineering- Select Proceedings of ICRAME 2024 on 01/01/2025.

13 Mr. V. N. Deshmukh, Assistant Professor
Appreciation from ISHRAE Pune chapter for his
contribution towards innovation and excellence in the
field of HVAC&R

14 Dr. Renu Shastri,
Assistant Professor Completed IUCEE
“ENGINEERING EDUCATION RESEARCH” course
during Aug 2024-Jan 2025

15 Mr. R. A. Patil,
Assistant Professor Participated and obtained A+
Grade in the Online Refresher Course on Computational
Fluid Dynamics in Engineering organised by Malaviya
Mission Teacher Training Centre, IIT(ISM) Dhanbad,
Jharkhand from 28th February to 11th March 2025.

16 Mr. A. S. Chandore, Assistant Professor
Participated and obtained A+ “NEP 2020: Orientation
& Sensitization Programme” organised by Malaviya
Mission Teacher Training Centre, Aligarh Muslim
University Aligarh from 3rd March to 11th March 2025.

17 Dr. S. Bhowmik,
Assistant Professor Completed “NEP 2020:
Orientation & Sensitization Programme” organised
by Malaviya Mission Teacher Training programme
of University Grants Commission organized by IIT (Indian
School of Mines), Dhanbad from 3rd March to
11th March 2025

18 Dr Prafulla Hatte
Professor Awarded with ‘Outstanding Leadership in
Institutional Branding and Communications’ award
at the Higher Education Innovation and Technology
Summit, hosted by Plus Nine-One Media at Hotel
Sheraton, Mumbai on 15th May 2025

19 Mr. Sudesh Powar, Assistant Professor
Received prestigious recognitions in special categories
as Star Translation Certificate and MIT Academy of
Engineering has been awarded an “A” grade and has
secured the 120th rank across India among 6000 Local
Chapters.

20 Dr. M. M. Charde, Dr. R. K. Shastri & Mrs. N. B.
Chaudhari Recognition as a Post-Graduate Teacher
from SPPU on 21/01/2025.

21 Dr. P. R. Hatte
Professor Recognition as a Research Supervisor from
SPPU on 21/01/2025.

22 Mr. Vivek N Deshmukh, Assistant Professor
Hosted the LMP meet-up at MIT Academy of Engineering,
Alandi, on 23rd Jan 2025 with Mizuho India Japan
Study Centre (MIJSC), Indian Institute of Management
Bangalore



Publication Details:2024-25

1 Mr. S. B. Powar Deshmukh,
sarthak, nikam, ronak, waghmare, sanskar, kondekar,
yash, & powar, sudesh. (2024). Comparative Transient
Air-Flow Analysis for Integral Coach Factory (ICF) and
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(ICMMSE: IR 2023)
12–13 December 2023
Nashik, India.
Conference Proceeding

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S. (2024). Structural and Vibration Analysis of Lattice-
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2 Dr. P P Kothmire

Deshmukh, S., Shinde, A., Kothmire, P. (2025). Experimental Study of Heat Transfer in Composite Vessels. In: Arun, K.R., Rajesh, G., Arakeri, J.H., Kothadia, H. (eds) Proceedings of Fluid Mechanics and Fluid Power (FMFP) 2023, Vol. 5. FMFP 2023. Lecture

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3 Dr. A R Nagargoje

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4 Mr. R A Patil

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5 Dr. A M Kolhe

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6 Dr. P S Kalos

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7 Dr. Kundan Mishra

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8 Dr. Shreekant Patil

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10 Dr. M P Joshi

Surendra D. Barewar, Pritam S. Kalos, Balaji Bakthavatchalam, Mahesh Joshi, Sarika Patil, Mahesh Sonekar, Analysis and prediction of thermo-physical properties in water-based MWCNT-ZnO hybrid nanofluids using ANN and ANFIS models, International Journal of Thermofluids, SSCI/Scopus-Elsevier

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11 Dr. V A Bhosale

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12 Dr. M M Charde

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13 **Dr. subrata Bhowmik**
 Bhushan Shivaji Shirfule, Malhari Madhav Kakde, Om Vitthal Mane Deshmukh, Sanket Sunil Satav, Subrata Bhowmik, Rajsekhar Panua,
 Investigation of performance, combustion and exhaust emission characteristics of a CI engine using waste cooking biodiesel-hydrogen strategies: A trade-off analysis,
 International Journal of Hydrogen Energy,
 Volume 146,
 2025,
 SCIE- Elsevier

14 **Dr. N B Totla**
 Kartik Kore, Abhishek Deshmukh, Bhagyashree Thakur, Sukanya Mane, Tanmay Dhekane, Archana Mane, Nilesh Totla. Comparative Analysis of Aluminum Alloy Grades: Properties, Applications, and Performance. Journal of Information Systems Engineering and Management 2024, 9(3) e-ISSN: 2468-4376 <https://www.jisem-journal.com/>

15 **Dr A M Malge**
 Thermal cycle behaviour of plasma sprayed thermal barrier coatings on cast iron substrate for the application of liner of internal combustion engine, Results in Surfaces and Interfaces, Volume 17, 2024, 100297, ISSN 2666-8459,
 SCIE-Elsevier

Paents Details 2024-25

1 Sagar Govind Mushan Sushil Jadhav Sahil Musale
 Aditya Gadekar. Patent filed on “Air Conditioning System For Vehicles”

2 Dr. Pramod Kothmire Pratik Hapase, Manas Mane, Pranav Lohar A Patent filed on “An Advadvance Aerodynamic Drag Based Charging System For Charging The Electric Vehicle”

3 Dr.Prashant Jikar
 Savita Pawar
 Yash Dandge, Shreyash Mahakale, Ajay Kolhe, Gayatri Pesode, Patent filed on “ Dynamic Greenhouse For Agricultural Application”

6 Pratik Hapase, Manas Mane, Pranav Lohar, Pramod Kothmire Patent published on “An Advadvance Aerodynamic Drag Based Charging System For Charging The Electric Vehicle”

7 Jadhav, Sushil Dilip; Musale, Sahil Arun; Gadekar, Aditya Santosh; Mushan, Sagar Govind Patent published on “Truck Air Conditioning System”

Industrial Visits

3rd & 4th Sept 2024 industrial visit to Setco Spindles Pvt. Ltd. (American MNC) Mr. V. P. Kulkarni has arranged for TY Mechanical Engg. Students

24/11/2024 Industrial visit at Devrai village Art, Panchgani under IKS Indian Metallurgy for FY Btech students of Mechanical Engineering by Dr. P. C. Jikar & Dr. A. R. Nagargoje

Memorandum of Understanding

1 Transmission Systems, Satara Industry SIP/SLIP, guest lecture, training, industrial visit, projects etc. 30/12/2024 to 22/02/2026

2 Sudarshan Engineering Works, Pune Industry SIP/SLIP, guest lecture, training, industrial visit, projects etc. 01/02/2025 to 01/02/2026

Industry interactions:

Under the collaboration of School of Mechanical Engineering and Department of Agriculture Engineering, UPM, Malaysia Dr. Anas Mohd. Mustafa agreed to be co-guide of one student’s project and shared his valuable inputs. This meeting is coordinated by Dr. P. R. Hatte, Dean R N D

Internships:

Total 448 students of SY, TY & Final year successfully completed internship at various industries.

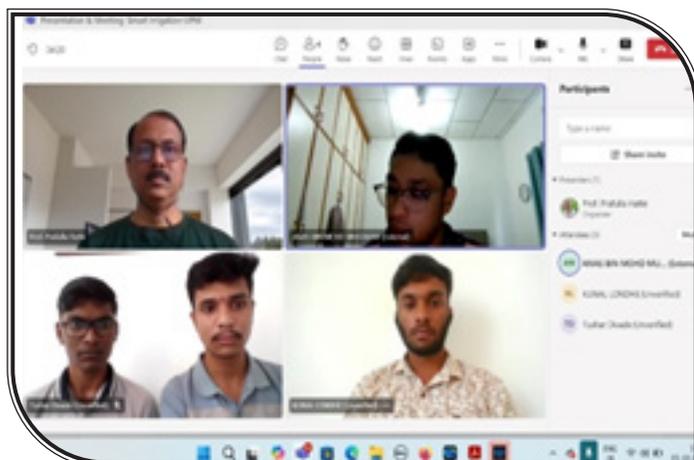
List of Major Industries for internship:

Sr. No.	Name of Industries
1	Endurance Technologies Limited
2	L'Oréal India Private Limited
3	TATA Motors
4	TACO
5	Faurecia
6	Skoda
7	Redaptive Services Private Limited
8	ATS Conveyors India Private Limited
9	Sthenos Composites Private Limited.

Major events, workshops, FDPs, seminars, and outreach activities

March 2025 Rotaract Club of MITAOE under the coordinator Dr. N. B. Totla Rotaract Club of MITAOE has officially secured a place in the India Book of Records for the maximum number of eye donation pledges under Project Drishti.

19th NOV SOFE National level competition for Engineering - Our college hosted SOFE – Speak Out for Engineers, a national-level



competition encouraging technical communication. Participants presented engineering topics with clarity and confidence. The event enhanced public speaking skills and inspired knowledge-sharing among future engineering professionals.

- 23rd Jan 2025 Exhibition on IKS & Netaji Subhash Chandra Bose Mr. Krishna Bhandalkar Senet Member Of SPPU

Mr. Prasad Joshi : Vice Chancellor Of Modern collage An exhibition on Indian Knowledge System (IKS) and Netaji Subhash Chandra Bose was organized to highlight India's rich heritage and patriotism. The event showcased historical facts, posters, and models, inspiring students with Netaji's legacy and ancient Indian wisdom.

17th Feb 2025 Structural & Crashworthiness analysis Using LS Dyna - Certification Course

Suraj Dhomase

Nachiket Phadake A technical session on Structural and Crashworthiness Analysis Using LS-DYNA was conducted, focusing on real-world crash simulations. Expert demonstrated advanced modeling techniques, helping students understand vehicle safety, material behavior, and simulation accuracy using LS-DYNA software.

21/10/2024 inauguration Blue Star Centre of Excellence at MITAOE by the hands of hon. Dr. Sanjay Dhande sir (Chairman, Governing Body) & Mr. Michael Angre (Vice President, Blue Star Ltd) School of Mechanical Engineering in presence of more than 100 staff of SME and Blue Star Ltd.

23/10/2024 Inaugural and installation ceremony of Rotaract club of MITAOE under parent club of Rotary club of Pimpri jurisdictioned by International Rotary foundation Club id 3131 done in presence of district rotaract governor, reputed and esteemed Rotary president, rotaract president of various pune clubs at Mechanical Engineering at DoIT



26/3/25 to 27/3/25 two days' workshop on IPR Drive 2025 at Old conference room, MITAOE Mr. Ayush Sharma Managing Partner, MS Law Partners, Delhi Dr. M. P. Joshi conducted workshop on "IPR Drive 2025"



12th-14th September 2024. A three-days' workshop titled "Tech Camp on Ansys Fluid Dynamics" by Eduskills (Expert: Mr. Prabhupada Samal) Dr. S. Bhowmik conducted for the TY Mechanical students

27/08/2024 and 26/08/2024

"GATE Awareness Session" Mr. Paresh Gugale from I2E Dr. S. Bhowmik arranged for SY & TY Mechanical Engg. students

13/04/2025

A seminar "Careeropp Ortunities In Higher Education" organised by Rotract Club of MITAOE under the leadership of Dr. Totala Sir.

20/01/2025 Alumni talk on on the topic "Role of Engineering in industry 4.0" Mr. Yuvraj Rathod (Lead- DevOps & Cloud engineer at Assurant Warranty Solutions Pvt. Ltd., fortune 500US Insurance Company) Dr. V. A. Bhosale & Mrs. Shital Kharat organized for the Mechanical & ETX students

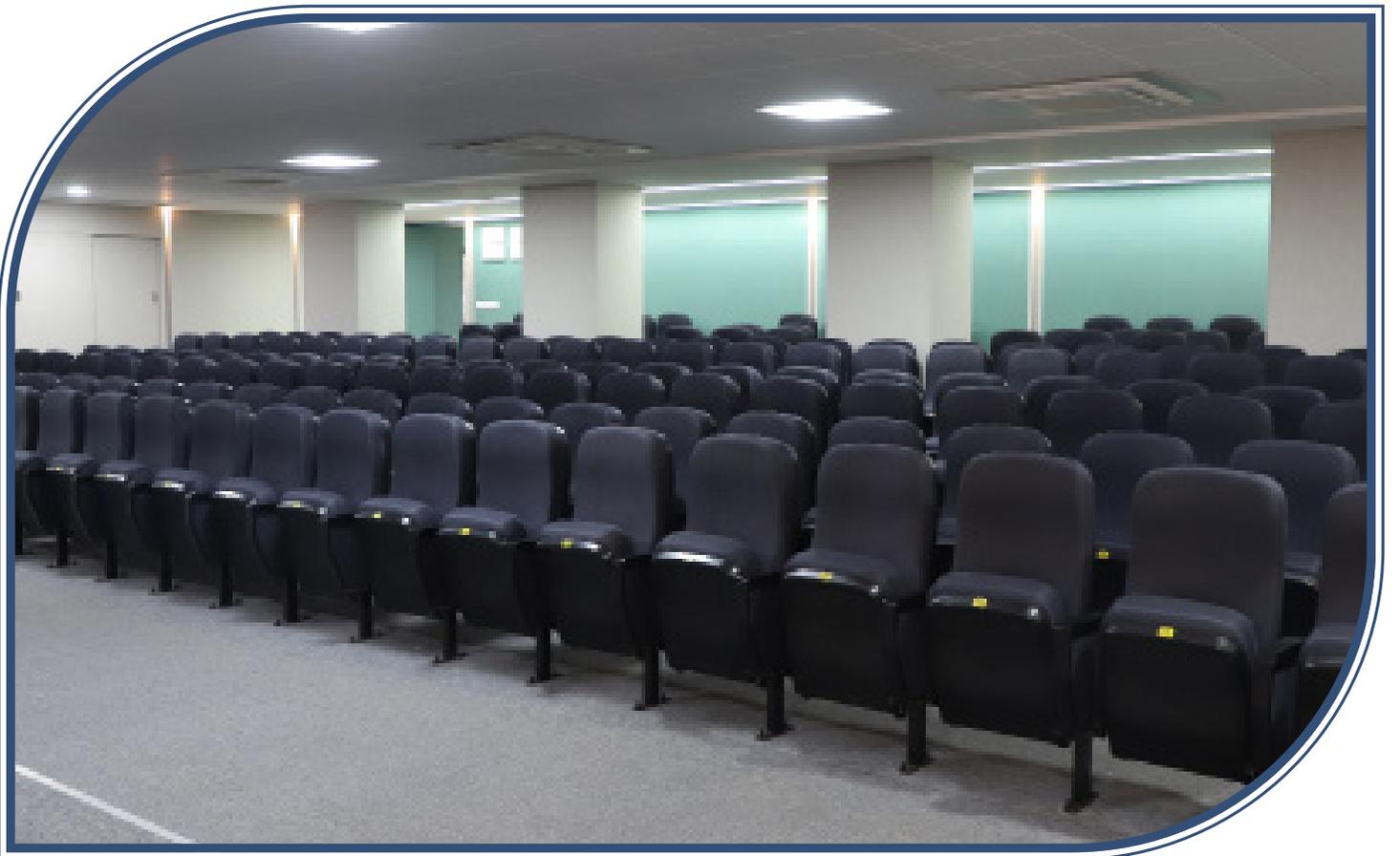
16th April 2025 National level Expert Session on "Fundamentals of Additive Manufacturing" by Dr. Viraj Vishwas Patil, Senior Application Engineer, Additive Manufacturing, Primaeam Solutions Pvt. Ltd. Chennai Dr. R. K. Shastri Organized

28/01/2025 SWO awareness session for all SC category students of the MITAOE Dr. M. M. Charde & Mr. N. S. Rashinkar organized A regarding different problems/schemes about scholarship on at institute





MIT Academy of Engineering (MITAOE) continued its strong legacy of academic excellence and industry engagement during the academic year 2024–25 with commendable placement and internship outcomes. A total of 475 students secured placements, achieving a placement percentage of 60.8%, with an impressive average package of ₹6.10 LPA. The highest package touched ₹27.00 LPA, offered by Juspay Technologies, reflecting the high caliber of talent nurtured at the institute. Complementing placements, MITAOE placed significant emphasis on experiential learning, enabling 773 students to participate in Short Internship Programs (SIP), 219 students in Year Long Internship Programs (YLIP), and 471 students in Semester Long Internship Programs (SLIP). These initiatives strengthened students' practical skills, industry readiness, and professional exposure, reinforcing MITAOE's commitment to producing competent and future-ready engineers.



FORM IV

(FOR PRIVATE CIRCULATION ONLY)

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I, Director Dr. Mahesh D. Goudar hereby declare that the particulars given above are true to the best of my knowledge and belief. The Chief Editor may not agree with the thoughts expressed in contents of this magazine. No claim is made about originality and authenticity of the information. Publisher and Chief Editor will not be responsible for any consequences thereof.

Place: Alandi (D). Pune

Date: Feb, 2026

Dr. Mahesh Goudar,

Director

World Peace Prayer

ॐ नमोजी आद्या । वेद प्रतिपाद्या । जयजय स्वसंवेद्या । आत्मरूपा ॥१॥
देवा तुच्चि गणेशु । सकलार्थ मतिप्रकाशु । म्हणे निवृत्तिदासु । अवधारितो जी ॥२॥

Salutations! To 'OM' ॐ The Ultimate "TRUTH" -
The Ultimate "REALITY" - The Ultimate State of Matter
As enunciated in Vedas!

Salutations! To the self CONSCIOUSNESS! The Pure INTELLIGENCE!
The True "KNOWLEDGE" - The True Nature of the Soul "ATMAN"
O God! Thou art Ganesha! The Illuminator of all Intelligence!
The disciple of Saint Nivriti, says,
Please, pay attention, to my discourse (on Geeta)

गुरुर्ब्रह्मा गुरुर्विष्णुः गुरुर्देवो महेश्वरः । गुरुः साक्षात् परब्रह्म तस्मै श्री गुरवे नमः ॥
Prostrations! Unto "The GURU" - "The TEACHER"
who is BRAHMA, VISHNU and MAHESH;
who in reality is the Supreme Brahman! The Almighty-Incarnate!

ॐ पूर्णमदः पूर्णमिदं पूर्णात् पूर्णमुदच्यते । पूर्णस्य पूर्णमादाय पूर्णमेवावशिष्टे ॥
ॐ शान्तिः । शान्तिः । शान्तिः ॥
'OM' is the "Entirety!" - "The Complete" - "The Whole!"
The Whole has emerged out of the Whole/the Complete!
If the whole is taken out from the whole, what remains is still whole!
'OM' itself is, Peace! Peace! Peace!

हरि ॐ ईशा वास्यमिदं सर्वम् । यत्किंच जगत्यां जगत् ॥
तेन त्यक्तेन भुञ्जीथाः । मा गृधः कस्यस्विद् धनम् ॥
All this whatever exists in the world, is manifested by God!
Hence by renouncing it, Enjoy, covet not wealth which belongs to none!

ॐ भूर्भुवः स्वः । तत्सवितुर्वरेण्यं ॥ भर्गो देवस्य धीमहि । धियो यो नः प्रचोदयात् ॥
"O" Mother Earth and the Entire Cosmos
The adorable luster of GOD - SAVITR! - The SUN !
We contemplate! May that Supreme radiance stimulate our INTELLECT.

सर्वेऽपि सुखिनः सन्तु । सर्वेऽसन्तु निरामयः सर्वेऽभद्राणि पश्यन्तु । मा कश्चिद् दुःखमाप्नुयात् ॥
May all be happy !
May all be healthy !
May all enjoy prosperity and experience auspiciousness !
May none suffer from grief and sorrow!

द्यौः शान्तिः । अन्तरिक्षं शान्तिः । पृथ्वी शान्तिः । आपः शान्तिः । औषधयः शान्तिः । वनस्पतयः शान्तिः ।
विश्वेदेवाः शान्तिः । ब्रह्म शान्तिः । सर्वं शान्तिः । शान्तिरेव शान्तिः । साऽमा शान्तिरेधि ॥१७॥
ॐ शान्तिः । शान्तिः । शान्तिः ।

May Peace Prevail in the Sky !
May Peace Prevail in the Cosmic Space !
May Peace Prevail on Earth !
May Peace Prevail in the Waters !
May Peace Prevail in the Herbs !
May Peace Prevail in the Vegetation/plants !
May Peace prevail in the Lord of the Universe !
May Peace prevail in Brahma - The Creator !
May Peace Prevail with everyone !
May there be nothing but peace everywhere !
Let that Peace Prevail in Me !

(Interpreted by Prof. (Dr.) Vishwanath D. Karad)



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