

।। विद्या सर्वस्य भूषणम् ।।

Amrutvahini Sheti and Shikshan Vikas Sanstha's

## AMRUTVAHINI COLLEGE OF ENGINEERING

**SANGAMNER - 422608** 

An ISO 21001: 2018 Certified Institute

## AN AUTONOMOUS INSTITUTE





Accredited with Grade A+ (3.40 CGPA) by NAAC, Bengaluru



Programs are Accredited by NBA, New Delhi

Awarded as Best Affiliated Engineering College (Professional-Rural) for the Academic Year 2020-21 by SPPU, Pune

Best Principal Award in Academic Year 2022-23 by SPPU, Pune

















Ranking of Engineering Colleges of Eminence in India by CSR 2025: 11th Rank & of Outstanding Engineering Colleges of Excellence by GHRDC: 6th Rank

Top Engineering Colleges Ranking in State of Maharashtra by CSR 2025 : 4th Rank & GHRDC : 3rd Rank

Gold Award by Quality Circle Forum of India in 2021

Our Primary Focus is on Academic Excellence & Academic Ambience

e-Yantra Lab Setup
Initiative (IIT Bombay)

MoU with Tata Technologies, Pune for training in MCAD-PLM & E-vehicle Skilling.

IDEA LAB by AICTE, New Delhi

ISRO IIRS Nodal Centre



To create opportunities for rural students to become able engineers and technocrats through continual excellence in engineering education.



Our mission is to create self disciplined, physically fit, mentally robust and morally strong engineers and technocrats with high degree of integrity & sense of purpose who are capable to meet challenges of ever advancing technology for the benefit of mankind and nature. We, the management, the faculty and staff, therefore promise to strive hard and commit ourselves to achieve this objective through a continuous process of learning and appreciation of need of time.



#### We, at AVCOE Sangamner, are committed to:

- Provide quality technical education to the rural students
- Provide conducive environment for all round development of the students.
- Develop as a premier institute for technical education and research as per the needs and expectations of all stake holders.
- Comply all applicable requirements.
- Develop students into technocrats having social responsibility.
- Keep abreast about the advances in technology and innovation.
- Enhance industry-institute interaction.
- Managing intellectual property.
- Maintain hygiene, health and safety for applicable requirements.
- Achieve continual improvement in academic and administrative processes.

  We shall strive to maintain Educational Organizations Management System (EOMS).

#### Knowledge and Attitude Profile (WK)

- **WK1:** A systematic, theory-based understanding of the natural sciences applicable to the discipline and awareness of relevant social sciences.
- **WK2:** Conceptually-based mathematics, numerical analysis, data analysis, statistics and formal aspects of computer and information science to support detailed analysis and modelling applicable to the discipline.
- **WK3:** A systematic, theory-based formulation of engineering fundamentals required in the engineering discipline.
- **WK4:** Engineering specialist knowledge that provides theoretical frameworks and bodies of knowledge for the accepted practice areas in the engineering discipline; much is at the forefront of the discipline.
- **WK5:** Knowledge, including efficient resource use, environmental impacts, whole-life cost, reuse of resources, net zero carbon, and similar concepts, that supports engineering design and operations in a practice area.
- **WK6:** Knowledge of engineering practice (technology) in the practice areas in the engineering discipline.
- **WK7:** Knowledge of the role of engineering in society and identified issues in engineering practice in the discipline, such as the professional responsibility of an engineer to public safety and sustainable development.
- **WK8:** Engagement with selected knowledge in the current research literature of the discipline, awareness of the power of critical thinking and creative approaches to evaluate emerging issues.
- **WK9:** Ethics, inclusive behavior and conduct. Knowledge of professional ethics, responsibilities, and norms of engineering practice. Awareness of the need for diversity by reason of ethnicity, gender, age, physical ability etc. with mutual understanding and respect, and of inclusive attitudes.



## The Philanthropist

## Hon. Late Shri. Bhausaheb Santuji Thorat Founder President

Amrutvahini Sheti and Shikshan Vikas Sanstha, Amrutnagar, Sangamner

The concept of un-aided engineering colleges was put forth by Padmashri Shri. Vasantdada Patil in 1983. The vision, untiring efforts, multidimensional thinking of a humble farmer, freedom fighter, social worker and the doyen of co-operative movement Sahakarmaharshi Shri. Bhausaheb Santuji Thorat alias Dada laid the foundation of "Amrutvahini Sheti & Shikshan Vikas Sanstha" in 1978 at Sangamner. An altruistic vision and aspiration of Dada was to start and propagate the higher technical education to the students of rural area. Over the years, each and every employee has become an integral part of Amrutvahini Sheti and Shikshan Vikas Sanstha.



Since 1983 more than 15,626 students have completed their engineering / management education under the aegis of Amrutvahini and are working in organizations of repute across the globe.

''... उसंत, फुरसत मला कधी ठाऊकच नाही. तरीही कामाच्या व्यापातून जेव्हा कधी मोकळा वेळ मिळतो, तेव्हा मी या टेकडीवर 'अमृतकुटी'त चिंतनासाठी येऊन बसतो. तेथून सभोवताली नजर टाकताना माझ्या दृष्टिपथात येतो उजाड माळरानावर झालेला अद्भूत बदल आणि उभ्या राहिलेल्या विकासाच्या नवनवीन योजना यातून मिळतो माझ्या मनाला कार्यपूर्तीचा असीम आनंद आणि सुचतात कल्पना भविष्याचा वेध घेणाऱ्या ! दिसतात स्वप्ने नित्य नव्या निर्मितीची आणि होतातही साकार अगणित सहकाऱ्यांच्या सहकार्याच्या सामर्थ्यातून!''

मा. भाऊसाहेब थोरात यांच्या 'अमृतगाथा' या आत्मचरित्रातून



## Dynamic Leadership

## Hon. Shri. Balasaheb Bhausaheb Thorat President

Amrutvahini Sheti and Shikshan Vikas Sanstha, Amrutnagar, Sangamner

Ex.Minister of Revenue
Government of Maharashtra

The Hon. President took upon himself the arduous task for translating the vision of Hon. Bhausaheb Thorat into concrete dreams by imbibing the virtue of hard work and honesty to achieve excellence in the sphere of education through his dynamic and pragmatic leadership. It is under his able guidance that the college has expanded its horizons and achieved the distinction of NBA accreditation for Four times and awarded "A+" Grade with 3.4 CGPA by NAAC, Bengaluru in 2021 and awarded "A" Grade by Government of Maharashtra. Recently, AVCOE awarded as Best Affiliated Engineering College (Professional-Rural) for the academic year 2020-2021 by Savitribai Phule Pune University, Pune and Hon. Principal Dr. M.A. Venkatesh awarded as a best principal in the acadamic year 2022-23 by SPPU, Pune.



It is a moment of immense pride and honor for us to announce that our institution has been granted Autonomous Status by the competent authorities from the Academic Year 2025–26. This milestone reflects our unwavering commitment to academic excellence, innovation, and holistic student development. AVCOE remain dedicated to creating a future-ready learning environment that empowers our students to thrive globally.

Happiness, satisfaction and success in life depends on making
the right choices, the winning choices.
There are forces in life working for you and against you.
One must distinguish the beneficial forces from the malevalent ones
and choose correctly between them.



## Source of Strength & Inspiration

Hon. Dr. Sudhir Bhaskarrao Tambe Trustee

Amrutvahini Sheti and Shikshan Vikas Sanstha, Amrutnagar, Sangamner

Dr. Sudhirji Tambe is a generous person with a flair for culture and art. With his dynamic and versatile personality, he has been a mentor to the poor and socially backward people. He has also been acting as a strong guiding force to the institution. His vision is to provide quality education to the students and make them capable of facing the challenges of the modern age.



ज्ञानाचे पिपासू आम्ही जिज्ञासा आमची जननी आहे जिंकण्यासाठीच जन्म घेतो यश आमच्या रक्तात आहे.



As a Managing Trustee, I am honoured to introduce you to Amrutvahini College of Engineering. We nurture student potential through state-of-the-art facilities, dedicated faculty, and a vibrant campus life. Our programs are designed to meet global economic demands, preparing graduates for future challenges. We emphasize ethical values, community service, and leadership skills as core aspects of our education.

Our rich history and accomplished alumni are a testament to our commitment to excellence. Join us on this exciting journey and become part of a legacy that supports your aspirations and fosters innovation, critical thinking, and individual growth.

Granting of Autonomous Status from 2025–26 is a significant recognition of our institution's consistent efforts in delivering quality education. As the Managing Trustee, I assure our stakeholders that we will continue to uphold academic freedom, integrity, and accountability while introducing flexible and industry-relevant curricula.



Mrs. Sharayutai Deshmukh Managing Trustee, Amrutvahini Sheti and Shikshan Vikas Sanstha, Amrutnagar, Sangamner



Shri. Anil B. Shinde Chief Executive Officer

Amrutvahini Sheti and Shikshan Vikas Sanstha, Amrutnagar, Sangamner

## The art challenges the technology and the technology inspires the art. - John Lasseter

Our Sanstha when conceived, dedicated itself to the proposition that it shall reach the heights of excellence in the field of Engineering Education relevant to the industry needs. Since then, it worked with a great sense of determination and commitment to make this as a learner centric organization.

We aspire to be recognized as the leading institution of technical education, committed to provide opportunities that exceed local stream of education to the youth ASSVS is unique hub of research, service learning and community projects that infuse an interdisciplinary learning and personally enriching experiences into our students portfolios.

As a chief executive officer of this esteemed Sanstha, I can assure you that the faith you have put on us will be meaningful & you will be proud of being part of this Sanstha.



Welcome to Amrutvahini College of Engineering, where academic excellence is our hallmark. As the Director of Academics, I am delighted to share our commitment to provide an enriching educational experience that prepares our students to deal with challenges of the modern world.

At AVCOE, we offer diverse programs designed to meet the highest academic standards which is the needs of today's industries. Our curriculum is continually updated to incorporate the latest advancements in research and technology, ensuring our students receive a cuttingedge education.

Our distinguished faculty members are experts in their respective fields and passionate educators dedicated to mentor and guide students. They utilize innovative teaching methods and foster a collaborative learning environment which encourages intellectual curiosity and critical thinking.

We are proud of our comprehensive academic support services, including state-of-the-art laboratories, library, and other facilities. These resources are integral part to our mission to provide a holistic education that balances theoretical knowledge with practical application.



Director Academics,
Amrutvahini Sheti and Shikshan Vikas Sanstha,
Amrutnagar, Sangamner

In addition to academic pursuits, we encourage our students to engage in extracurricular activities, community service, and leadership opportunities. Autonomy brings the academic freedom to introduce relevant, skill-based, and flexible curriculum tailored to the needs of industry and society. From 2025–26, we look forward to implementing advanced pedagogical practices and fostering a culture of research and innovation."



Best Principal Award by SPPU, Pune

Dr. M. A. Venkatesh
Principal
B.E.(Mech.), M.Tech. (Prod.),
Ph.D. (Mech.)
MISTE, MIE, FIIPE

## 'Success comes to those, who work hard and stays with those who don't rest on the laurels of the past.'

Amrutvahini College of Engineering has been an ideal example of success and sustenance. The college has been instrumental in shaping up the careers of thousands of students for the last 42 years.

It is with great pride that I share the news of our institution attaining Autonomous Status from the Academic Year 2025–26. This is a testament to the academic standards we have maintained over the years. As Principal, I envision this autonomy as a gateway to enhance academic delivery, research output, and student-centric initiatives.

In this journey, we have surged ahead and in the quest for perfection we are striving hard to accomplish our mission of serving society especially the rural place. We have been committed to quality based teaching-learning process as well as an all-round development of the students. We have provided the-state-of-the-art laboratories, centre of excellence and research environment. Apart from the academics, we are always on our toes to transform our students into well-cultured human beings. They ought to be capable of facing the growing challenges of the globalized world.



## **HEADS OF DEPARTMENT**



Prof. Vijay P. Waghe HoD - Engg. Science Mob. 9850030416



Prof. V. Y. Patil HoD - First Year Engg. Mob. 9822107888



Dr. Sunil S. Kadlag HoD - Electrical Engg. Mob. 9623256811



Dr. Vishnu D. Wakchaure
HoD - Mechanical Engg.
Mob. 9850683641



Dr. Sachin B. Kandekar HoD - Civil Engg. Mob. 9890004028



Dr. Shrinivas K. Sonkar HoD - Computer Engg. Mob. 9970061302



Dr. Vilas B. Shinde HoD - Automation & Robotics Engg. Mob. 9420198988



Dr. Sandip B. Rahane
HoD - Electronics &
Computer Engg.
Mob. 9850171053



Dr. Rekha P. Labde HoD - Electronics & Telecomunication Engg. Mob. 9850498510



Dr. Baisa L. Gunjal HoD - Information Technology Engg. Mob. 9657207852



Dr. Archana R. Panhalkar

HoD - Artificial Intelligence

& Data Science Engg.

Mob. 7588546774



Dr. Vrushali V. Sable HoD - MBA Mob. 9096122690



Dr. Bharat S. Borkar IQAC Coordinator Mob. 9822579911



Dr. Mahesh H. Harne College Exam Officer Mob. 9822989808



Prof. Pravin B. Wakchaure
Training & Placement Officer
Mob. 7350222255



Dr. Vilas S. Ubale Chief Rector - Hostel Mob. 9028163298



#### **Program Outcomes (POs)**

- ➤ **PO1: Engineering Knowledge:** Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.
- PO2: Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to Wk4)
- ▶ PO3: Design/Development of Solutions: Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. (Wk5)
- PO4: Conduct Investigations of Complex Problems: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).
- ➤ PO5: Engineering Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and Wk6)
- PO6: The Engineer and The World: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and Wk7).
- **PO7: Ethics:** Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (Wk9)
- **PO8: Individual and Collaborative Team work:** Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.
- PO9: Communication: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences.
- **PO10: Project Management and Finance:** Apply knowledge and understanding of engineering management principles and economic decision-making and apply these toone's own work, as a member and leader in a team, and to manage projects and in multi disciplinary environments.
- PO11: Life-Long Learning: Recognize the need for, and have the preparation and ability for i) independent and life-long learning
  - ii) adaptability to new and emerging technologies and
  - iii) critical thinking in the broadest context of technological change. (Wk8)



# Amrutvahini Sheti and Shikshan Vikas Sanstha (ASSVS) Sangamner

In the late seventies, the rural area of Sangamner was suffering from poverty, illiteracy, drought & unemployment. The root cause of all these evils was rightly identified by Hon. Late Bhausaheb Thorat, a leader of cooperative movement, a great visionary and philanthropist. He converted his thoughts into actions by creating educational and training facilities. For this, he founded the ASSVS in 1978 to provide education to the poor and socially backward people and ultimately boosted the socio-economic transformation of the rural people.

A chain of institutions has made an impact on Sangamner township, giving it an urban look. Under the dynamic and pragmatic leadership of Hon. Shri. Balasaheb Thorat the management is working out the plans for future development to meet the global standards in education.

#### **Institutes under Sanstha**

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Name of the Institution	Year of Estd.		
Amrutvahini College of Engineering	1983		
Amrutvahini Polytechnic	1983		
Amrutvahini Industrial Training Institute	1984		
Amrutvahini Model School and Jr. College	1985		
Amrutvahini Institute of Management & Business Administration (MBA)	1996		
Amrutvahini College of Pharmacy	2004		
Amrutvahini Institute of Pharmacy	2006		
Amrutvahini International School (CBSE Pattern)	2012		
Nido International School (Cambridge)	2015		
S.B.T. College of Agriculture	2023		

#### **Board of Trustees**

Name of Member	Designation
Shri. Balasaheb Bhausaheb Thorat	President
Shri. K. H. Alias Balasaheb Gunjal Patil	Vice - President
Shri. Bajirao Khanduji Khemnar	Trustee
Shri. Laxmanrao Balaji Kute	Trustee
Dr. Sudhir Bhaskarrao Tambe	Trustee
Shri. Adv. Ramnath Bhaurao Sonawane	Trustee
Shri. Tulshiram Prabhakar Bhor	Trustee
Mrs. Sharayu Ranjeet Deshmukh	Trustee
Shri. Vilas Haribhau Varpe	Trustee

#### **Governing Council Members**

Name of the Member	Designation
Shri. Balasaheb Bhausaheb Thorat	Chairman
Dr. Sudhir Bhaskarrao Tambe	Member
Mrs. Sharayu Ranjeet Deshmukh	Member
Shri. Anil Baburao Shinde	Member (Chief Executive Officer)
Dr. M. A. Venkatesh	Member (Principal)
WRO AICTE	Member (Ex-Officio)
Dr. Gorakash Garje, Joint Director, DTE, Nashik	Member (Ex-Officio)
Dr. R. R. Sangle (Nominee of SPPU, Pune)	Member
Dr. V. D. Wakchaure	Member
Dr. S. S. Kadlag	Member

#### **College Development Committee**

Name of the Member	Designation
Shri. Balasaheb Bhausaheb Thorat	President
Dr. Sudhir Bhaskarrao Tambe	Social Service
Dr. Sanjay Kumar Ghosh	Education
Shri. Piyush Somani	Industry
Dr. Arvind D. Shaligram	Research , SPPU
Shri. Anil Baburao Shinde	Chief Executive Officer
Dr. M. A. Venkatesh	Principal - Secretary
Dr. S.B. Rahane	Teacher HOD
Dr. V.V. Sabale	Lady Teacher
Dr. A.V. Markad	Teacher
Dr. B.S. Borkar	Coordinator(IQAC)
Shri. S.R. Dengle	Non Teaching
Mr. Ganesh Kawade	President of the Student Council
Ms. Gauri Dighe	Member Secretory of the Student Council



#### **Amrutvahini College of Engineering (AVCOE)**

Established in 1983, under the leadership of Hon. Late Bhausaheb Thorat, the Institute has been providing a distinctive excellence driven engineering education that grooms the future generations of engineers and entrepreneurs. Currently the college offers undergraduate and post graduate courses with annual intake of 1020 and 78 respectively. The institution has the coveted honour of NBA accreditation in 2003, 2007, 2015 and 2023, 2025 by NBA, New Delhi, AICTE wing for quality assurance. Continuing the trend of quality education, the institute has been accredited by the **NBA** for the **Fifth times** by maintaining their quality

education and research in 2025 also.

The institute is accredited with "A+" Grade (3.4 CGPA on 4 point scale) by NAAC, Bengaluru in 2021. The institute has International Academic recertification of ISO 21001:2018, EOMS by TUV SUD, valid from 2024 to 2027. Recently, AVCOE was awarded for the 2nd time as the Best Affiliated Engineering College (Professional-Rural) for the academic year 2020-2021 by SPPU, Pune. The college has progressed in leaps and bounds qualitatively and is continuously improving in all aspects of curricular and extracurricular activities, etc.

#### **COURSES OFFERED**

Name of The Course	Est. Year	Intake	Name of The Course Est. Year
UG courses B. Tech			PG courses
Civil Engineering Computer Engineering Mechanical Engineering Electronics & Telecommunication Engineering Information Technology Electrical Engineering Artificial Intelligence & Data Science Electronics and Computer Engineering Automation and Robotics	1983 1986 1991 2000 2001 2012 2023 2021 2021	120 120 120 120 120 120 120 120 60	M. Tech. Mech. (Design)  M. Tech. Civil (Structures)  M. Tech. Computer Engineering  M.B.A. (Master of Business Administration)  2007  2010

Ph.D. RESEARCH CENTRE IN MECHANICAL ENGINEERING FROM 2010-11

Ph.D. RESEARCH CENTRE IN CIVIL ENGINEERING FROM 2020-21

Ph.D. RESEARCH CENTRE IN COMPUTER ENGINEERING FROM 2025-26

#### **Admission Procedure**

Admission procedure for the first year degree courses of engineering is displayed on the AVCOE website: www.avcoe.org. The information for the same is available on the website of the Directorate of Technical education, Mumbai, www.dtemaharashtra.org.in.

and www.fe2025.mahacet.org

#### Fees:

As per the Fees Regulating Authority (FRA) the Total fees for the UG Engineering for the A.Y. 2025-2026 is Rs. 1,46,500. Total fee of MBA for the A.Y. 2025-2026 is Rs. 1,03,500. Total Fee of M.Tech. for the A.Y. 2025-2026 in Rs. 90,500.



IC ER	Year of Engineering	Semester	
NDE	First Voor	I	
CAD	First Year	II	As per AICTE/DTE/SPPU, Pune Guidelines
A C	Second/Third/Final Year	III/V/VII resp.	

The UG and PG Programmes conducted by AVCOE are approved by AICTE and are permanently affiliated to Savitribai Phule Pune University, Pune.



## Department of **Engineering Science**

The department offers Engineering Physics and Engineering Chemistry for first year engineering whereas Engineering Mathematics is for first and second year engineering and for P.G. Engineering as per the AICTE and Savitribai Phule Pune syllabi. The department of engineering science has well equipped Engineering Physics and Engineering Chemistry labs. A dedicated language laboratory (Soft skill software and Language Lab Software) is also available for all students for the enhancing soft skills.

#### **VISION**

To provide the fundamental knowledge of basic sciences to the students of all engineering disciplines

#### **MISSION**

The department of Engineering Science provides adequate knowledge for problem solving skills and its applicability to the students of all engineering disciplines. It also aims to inculcate human values.

#### **Faculty Strength**

Associate Professor = 01 Assistant Professor = 16

#### **Supporting Staff Strength**

Lab Assistant = 02 Peon = 01

#### State-of-the-Art Facilities

The department boasts well-equipped UG laboratories for: **1.Engineering Physics:** Hands-on experiments and relate their applications.

**2.Engineering Chemistry:** Experimental approach for effective teaching & learning environment.

**3.Language Laboratory (English):** Soft skill software and Language Lab Software to enhance communication and soft skills.

These facilities provide students with a comprehensive learning experience, preparing them for academic and professional success.



Key To Success



Engineering Science Faculty members with Principal Dr. M. A. Venkatesh



**Engineering Chemistry Laboratory** 



**Engineering Physics Laboratory** 



Language Laboratory



# Department of First Year Engineering

#### First Year Engineering: Building a Strong Foundation

The First Year Engineering (F.Y.) department focuses on providing budding engineers with a strong foundation in core subjects. Students gain essential knowledge in Science, Mathematics, and various Basic Engineering disciplines.

Beyond academics, the department emphasizes developing creative and innovative thinking through project-based learning. Students are also instilled with a sense of self-responsibility and an understanding of their social obligations through guidance from teachers and insights from external experts.

#### **Dedicated Faculty and Resources**

The F.Y. department boasts a team of cohesive, well-experienced, and enthusiastic teachers. This team comprises twenty science faculty and thirty two engineering faculty. HoD F.Y., oversees the planning and execution of all first-year activities along-with his team.

#### Vision

To transform first year students into future competent engineers with social values, through continual excellence, in the basics of engineering education.

#### Mission:

 $\ensuremath{\mathbf{M1.}}$  To make the students to feel comfortable and stay at an ease in college.

**M2.** To impart quality education and training in Mathematics, Science & Basics of Engineering subjects.

**M3.** To develop an ability to communicate effectively and apply knowledge of Mathematics, Science and Engineering.

**M4.** To inculcate creativity and innovative thinking ability in Engineering.

**M5.** To nurture professional & ethical values for successful career.

#### **Our Strengths: Nurturing Excellence in Every Aspect**

Our institution prides itself on a comprehensive set of strengths that contribute to a rich and effective learning environment:

**Academic Excellence:** We are committed to delivering excellent academics through our team of well-qualified, experienced, and dedicated staff.

**Innovative Pedagogy:** We employ effective and innovative teaching methodologies to enhance the learning experience.

**Superior Infrastructure:** Students benefit from our very good infrastructure, designed to support modern education.

**Structured Academic Planning:** We ensure the meticulous implementation of a well-planned academic calendar, providing a clear road map for learning.

**Holistic Development:** We encourage and facilitate active participation in sports & cultural activities, fostering overall student development.

**Consistent Academic Performance:** Our commitment to quality education is reflected in our consistent and very good university results.

**Beyond-Syllabus Learning:** We engage in teaching beyond the syllabus, for bridging the gap between theoretical knowledge and practical application.

**IKS Club:** Indian Knowledge System Club for the interested students to explore the beauty of ancient knowledge in discrete walks of life.

**Student Book Bank:** To support student learning, we offer a dedicated Students Book Bank.

Comprehensive Induction Program: Our meticulously planned Induction Program and Universal Human Values module help students transition smoothly and develop a strong ethical foundation.

**Global Language Opportunities:** We provide opportunities for students to acquire valuable skills through Foreign language (Japanese & German) certification courses.

**Extended Learning Access:** Students have access to a Central Computing Facility beyond college hours, ensuring continuous learning opportunities.

**Sustainable Campus Environment:** Our campus is characterized by its lush green, clean & energy-efficient design, promoting a healthy and conducive atmosphere.

**On-Campus Facilities:** The availability of many facilities in the campus itself adds convenience and enhances the overall student experience.

#### Laboratories:

- 1. Chankya Lab (Dedicated Computer Lab)
- 2. Sakura (Japanese Language Center)
- 3. German Language Center
- 4. Central Computing Facility



Adventure club



**Indian Knowledge System Club** 



Chankya Lab (Dedicated Computer Lab for FE)



# Department of Artificial Intelligence and Data Science

The Department of Artificial Intelligence (AI) and Data Science are two interconnected fields that are revolutionizing the way we analyze and utilize data to extract valuable insights and make informed decisions. Al involves the development of intelligent machines that can perform tasks that typically require human intelligence, such as learning, problem-solving, and decision making & Data Science, on the other hand, focuses on extracting knowledge and insights from large and complex datasets using various statistical and computational techniques.

The scope of Al and Data Science is vast and encompasses numerous domains and industries in today's data-driven world. Organizations across sectors such as finance, healthcare, marketing, manufacturing, and transportation are increasingly leveraging Al and Data Science to drive innovation, improve efficiency, and enhance decision-making processes. Al and Data Science techniques enable businesses to analyze vast amounts of data to uncover patterns, trends, and correlations, enabling them to make data-driven predictions and optimize operations. They also play a crucial role in developing intelligent systems such as recommendation engines, virtual assistants, and autonomous vehicles, which enhance user experiences and streamline processes. Moreover, Al and Data Science have significant implications for societal challenges, including healthcare diagnostics, personalized medicine climate change analysis, fraud detection, and cyber security.

#### **Vision**

To empower learners to become experts in Artificial Intelligence and Data Science through persistent excellence in learning and fostering innovations in a rapidly evolving technological world.

#### Mission:

**M1:** To prepare graduates for successful careers in Artificial Intelligence and Data Science through a continuous process of learning and creating opportunities in Al world.

**M2:** To cultivate innovations, ethical responsibilities and interdisciplinary collaborations among the students to address real-world problems and contribute to the betterment of society.

M3: We, the faculty and the staff strive hard to strengthen students with the strong academic background, experiential learning, effective communication skills, self-discipline and moral values to thrive in the ever-challenging computing world.



AI&DS Faculty Members with Principal Dr. M. A. Venkatesh

#### **Program Educational Objectives (PEOs)**

**PEO1:** To develop competent graduates with a strong foundation in Artificial Intelligence and Data Science methodologies and algorithms, capable of solving complex real-world problems by applying appropriate modern tools and techniques to design and develop effective solutions.

**PEO2:** To exhibit leadership qualities of graduates by successfully guiding teams, managing projects, and leveraging communication skills to create a positive impact on organizations and society.

**PEO3:** To adopt a lifelong learning approach by consistently enhancing knowledge and skills to remain at the forefront of the rapidly evolving field, while adapting to new technologies, addressing challenges with Environmentally sustainable solutions, and upholding ethical practices.

#### **Program Specific Outcomes (PSO):**

The Department of Artificial Intelligence and data Science has formulated following PSO's:

**PS01 : Professional Skills -** The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, networking, artificial intelligence and data science for efficient design of computer-based systems of varying complexities.

**PSO2 : Problem-Solving Skills -** The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success

**PS03: Successful Career and Entrepreneurship** - The ability to employ modern computer languages, environments and platforms in creating innovative career paths to be an entrepreneur and to have a zest for higher studies.



#### **Faculty Strength**

Associate Professor = 01 Assistant Professor = 11

#### **Laboratories**

1.IOT Lab 2.Software Lab-I 3.Software Lab-II

4.CCF Lab

#### **Highlights of AI&DS Department**

- 1. State-of-the-art laboratories equipped with high-performance computing systems and facilities.
- 2.A vibrant, inclusive, and student-friendly labs that nurtures academic excellence.
- 3.Quality education through a student-focused, outcome-driven teaching learning process by using modern teaching aids.
- 4. Active student's engagement in both curricular and co-curricular activities.
- 5. Winner national level Hackathon "Build Bharat through AI", Organized by Andhra University, Vishakhapatnam.
- 6.Students awarded the prestigious Cummins Scholarship by Cummins Pvt. Ltd. and the Cybage Khushboo Scholarship by Cybage Software Pvt. Ltd.
- 7.Industry Institute Interactions with industries like Sumago Infotech Pvt. Ltd., Nashik and Zensar Technologies, Pune.
- 8. Curricular developments of students with ISTE Student chapters in the department.
- 9.Artificial Intelligence and Data Science Engineering Student Association (AIESA) nurture the overall developments of students through curricular and extracurricular activities.

#### ACTIVITIES



Software lab-1



Software lab-2



IoT lab



Winner national level 2-days hackathon Build bharat through AI, Andhra University



1st prize in the Reel & Presentation Making Competition



**Amrut Meritorious Scholarship** 



**Cummins India Foundation Nurturing Brilliance Scholarship** 



Value Added course



**Alumni Meet** 



**Parents Meet** 



Jivdhan fort cleaning and trekking



**Amrut Spandan Annual Gathering** 



# Department of Mechanical Engineering

Established in the academic year 1991–1992, the Department of Mechanical Engineering has built a distinguished legacy over the past 33 years. Committed to the pursuit and dissemination of knowledge, the department has nurtured the academic and professional growth of more than 3,750 mechanical engineering graduates.

The department offers a comprehensive suite of academic programs, including a Bachelor of Engineering (B.E.) with an annual intake of 120 students, a Master of Engineering (M.E.) in Design admitting 6 students per year, and a Ph.D. program in Mechanical Engineering. So far, 60 M.E. scholars and 15 Ph.D. candidates have successfully completed their degrees, exemplifying our steadfast commitment to academic excellence.

Our dedication to quality education has been recognized through repeated accreditations by the National Board of Accreditation (NBA), New Delhi. The B.E. program was first accredited in 2002 for three years, with subsequent accreditations in 2007, 2013, and most recently in 2023, reaffirming our status as a premier institution.

Our department boasts a team of highly qualified and experienced faculty members, consistently delivering outstanding academic results and placement outcomes. Students benefit from state-of-the-art laboratories, featuring advanced software and hardware tools. New additions such as the Project Lab, the 3D Printing Centre of Excellence, and the Dr. A.P.J. Abdul Kalam Smart Learning Centre have further enriched the academic environment.

Staying aligned with evolving industry standards, the department has forged strong industry linkages to ensure students gain hands-on exposure to the latest technologies, including Additive Manufacturing, Geometric Dimensioning & Tolerancing (GD&T), Product Lifecycle Management (PLM), Project-Based Learning (PBL), Lean and Six Sigma, Internet of Things (IoT), and Operational Excellence. In collaboration with Tata Technologies (TTL), specialized training in MCAD-PLM and Electric Vehicles (EV) is also offered. The department also offers Lean Manufacturing Program in association with VLCI and IIM Banglore. Through industry visits, workshops, and soft skill training, our students are well-prepared for careers in leading design, manufacturing, and IT-enabled service (ITeS) companies.

To promote holistic development, the department actively supports student chapters such as the Society of Automotive Engineers (SAE), the Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE), and the Quality Circle Forum of India (QCFI). Our students have demonstrated outstanding performance in campus placements, with over 1000 successful placements (100% in recent years) in recent years.

In the realm of research and innovation, the department has filed 12 patents, with 2 already granted, and holds several copyrights. Students are also encouraged to participate in national-level competitions such as SAE TIFAN, SUPRA, E and M-BAJA, Effi-Cycle, and Formula Bharat, nurturing a culture of innovation and technical excellence.

#### Vision

To transform rural students into competent Mechanical Engineers and technocrats with professional and social values through continual excellence in engineering education.

#### Mission

**M1**: To impart quality education and training that develop engineers to meet challenges of ever advancing needs of industry, higher learning and entrepreneurship for the benefit of mankind and nature.

**M2**: To be recognized as department of academic excellence through resourced development, conducive teachinglearning environment, skill development, innovation and industry-institute interaction

**M3**: To nurture professional and ethical values and lifelong learning for successful career.



Mechanical Engineering Faculty members with Principal Dr. M. A. Venkatesh

#### **Program Educational Objectives (PE0s)**

**PEO1:** Plan, design, manufacture, maintain and improve systems that are technically sound, economically feasible and socially acceptable in the field of mechanical and allied industries.

**PEO2:** Solve problems of engineering and social relevance by applying knowledge of mechanical engineering and advanced tools for sustainable development.

**PEO3**: Work effectively as individual and as team member in multi disciplinary projects, and demonstrate managerial and entrepreneurial skills.

**PEO4**: Engage in lifelong learning, career enhancement and adapt to changing professional and societal needs.

#### **Program Specific Outcomes (PSOs):**

**PSO1:** Apply the knowledge, design procedures, mathematical and advance tools for the design and evaluation of mechanical components and systems.

**PSO2:** Demonstrate the ability to evaluate the performance of thermal and fluid systems for effective energy conversions.

**PS03:** Select and apply appropriate manufacturing technologies and tools; and to develop competencies for working in manufacturing and allied industries

#### Laboratories

#### **UG Lab**

- 1. Heat Engine Lab
- 2. Steam Power
- 3. Refrigeration and Air Conditioning
- 4. Dynamics of Machinery
- 5. CAD/CAM Lab
- 6. Theory of Machine Lab I

#### PG Lab

- 1. Tribology Lab
- 2. CAD Lab
- 3. PhD Research Centre

#### **Faculty Strength**

Professor = 01 Associate Professor = 05 Assistant Professor = 34

- 7. Theory of Machine Lab II
- 8. Industrial Fluid Power
- 9. Mechatronics
- 10. Basic Mechanical Engg.
- 11. Heat Transfer
- 12. Dr. APJ Abdul Kalam Smart Learning Centre
- 13. Project Lab

#### **Unique Initiatives**

- 1. Industrial PBL
- 2. PLM Centre
- 3. RoboticsProcess Automation (RPA)
- 4. VLCI (Anand Group)
- 5. Bosch-Academic Partner
- 6. Foerign Language (German and Japanese)
- Dedicated Project Lab for SAE activities.
- 8. MoU with Tata Techno.Pune







DOM Lab

IC Engine Lab

#### **Activities**



Team Mavericks: SAE TIFAN 2025 Competition: 1st Runner up



Signing of MOU with Tata Technologies, Pune



Team Trident: SIEP E-BIKE CHALLENGE 2025: Best Acceleration Award & Futures Award



Science and Technology Award by HAL Nashik

Results: May 2024 (BE)

Sr No.	Name of Student	CGPA
1.	Varpe Swapnil Babasaheb	9.19
2.	Doifode Pravin Shriram	9.16
3.	Kulkarni Atharva Sanjay	9.15

Distinction: 67 First Class: 41

**Higher Second Class: 00** 



Industrial Visit



# Department of Civil Engineering

The Department of Civil Engineering is 4 times accredited by National Board of Accreditation, New Delhi and also NAAC Accreditation with A+ grade for five years. Department has well qualified, senior, ambitious and dynamic staff. A team of qualified faculty with ample experience is the highlight of the department. The department is running UG, PG and Ph.D programs which emphasize on industry standard and research based project, which would enhance student's skills to become successful professionals for a holistic development. The faculty members are having their publications in various refereed/ impact factor SCI / Scopus journals of Taylor &Francis, Modern Applied Sciences, ASCE, Springer, IEI, Elsevier, etc. Faculty members of department are also associated in various kinds of R & D projects at university and AICTE level and received various grants of Rs.45.9 Lacs so far. Every year department is organizing technical events like TechnoAmrut, which gives platform to the students to develop technocrat skills. Department has focused on making the students competent enough to get placed in well reputed companies like AFCON Infrastructures, IVRCL Hyderabad, Godrej Infrastructures, Dorche India, Shobha Developers, SJ Contracts Pvt. Ltd., Core Project, Ellora EPC Pvt. Ltd., Matoshree Interiors, Primecity's Developers , Prothious Nashik, Corazon Home Pvt. Ltd., Indovance, Pune, Technovision Project Management Pvt. Ltd. TCS, Cognizant, Infosys, Make My House, Mandlik Infracon India Pvt. Ltd., Sthapatya Consultant, Qspider, Pune, etc.

The department has strong alumni networks, many alumni are placed in Industry, Government Sector, Public Sector (PSU) and Private Sector at National and International level. The department has significant record of maximum MPSC qualified students as well as UPSC. Up till now the department has produced150 plus officers in Government sectors, scientists in BARC and ISRO, and many rank holders in university examinations. The department is also contributing for socio-economic development of rural area by producing economic structure such as ferrocement detachable toilet, water tank, check dam, farmer fishery pond, dome, bamboo reinforced houses, netzero efficient farm model, energy efficient Bakelite shelter for quick rehabilitation. The department is also providing social services such as A) Soil health card to farmers, which gives the idea about N, P, K, pH and salt concentration for adequate cropping pattern and B) field survey and design of drainage system for the rural area. The department has a remarkable contribution in the field of research and development, testing and consultancy. The faculty members of department has 11 IPR contributions such as patents, design registration & copyrights.

#### Vision

Knowledge center for rural students with continual excellence in technical education

#### Mission

**M1:** To create self-disciplined, physically fit and competent Civil Engineers with a high level of professional, moral and ethical values.

**M2:** To serve mankind and nature with high integrity and a sense of purpose to meet challenges of ever advancing technology through research and development.



Civil Engineering Faculty members with Principal Dr. M.A. Venkatesh

**M3:** To mentor students in pursuit of higher education, employability and entrepreneurship

#### **Program Educational Objectives (PEOs)**

**PEO1**: The graduate will have professional competence with moral and ethical values to enhance their skills related to entrepreneurship, employability and higher education.

**PEO2:** The graduate will have a sense of commitment to integrated and sustainable socio-economic development of the nation

**PEO3:** The graduate will have an ability and motivation to carry out research and development activities using modern engineering tools and techniques.

**PEO4**: The graduate will have capability for critical thinking, engineering reasoning, problem solving, experimentation and teamwork.

#### **Program Specific Outcomes (PSOs):**

**PSO1:** Develop knowledge of building planning constructions, concrete technology, surveying, fluid and hydraulics, structural analysis and design, geotechnical and foundation, construction management, transportation and infrastructure, quantity surveying, and environmental engineering to design, develop and manage the civil engineering structures considering safety, health, ethics and environment aspects.

**PSO2:** Apply professional skills and fundamentals of mathematics, basic sciences, numerical methods, computer programming and applied mechanics in civil engineering field for the betterment of society through sustainable development.

**PSO3:** Excel careers in government, public and private sectors in addition to entrepreneurship and consultancy in the field of civil engineering.

#### **Faculty Strength**

Professor = 01 Associate Professor = 02 Assistant Professor = 23

#### Laboratories

#### **UG Lab**

- 1. Engineering Mechanics Lab
- 3. Testing of Materials Lab
- 5. Engineering Geology Lab
- 7. UG CAD Lab
- 9. Environmental Engg. Lab
- 2. Survey Lab
- 4. Geotechnical Engineering Lab
- 6. Transportation Engineering Lab
- 8. Fluid Mechanics Lab
- 10. Ferrocement Lab. (Center of Excellence)
- 11. Project & Innovation Lab

#### PG Lab

1. PG CAD Lab 2. PG Research Lab.



#### **Special Initiatives:-**

- 1. Civil Engineering Students Association
- 2. IEI, ISTE, IPA Student Chapters

#### **Value Added Courses**

(Software Training)

- 1. Auto CAD
- 2. Revit Architecture
- 3. Tekla Structure
- 4. Microsoft Excell

#### **Software Available**

#### **Application Software**

- 1.STAAD Pro2000 2.Auto Civil
- 3.Office XP Professional 2000 Paper Licenses S/W
- 4.Super Civil CD S/W
- 5.Build Master 6.Road Master
- 7.Build Quant 8.Rate Analysis
- 9.Engineering Mechanics Teachers Version
- 10.QE Pro
- 11.Prima Veera Portfolio Management Version 6
- 12. Geographic Information System
- 13.ETABS NL V-9.7
- 14.Global Mapper V.12.0

#### **Major Instruments**

- .. Digital UTM 2. Digital CTM
- 3. Hydraulic Tilting Flume
- 4. Digital Wind Tunnel
- 5. One Second Theodolite
- 6. Global Positioning System
- 7. Total Station
- 8. Horizontal and Vertical Shake Table
- 9. Plate Load Test
- 10. Marshal Stability Apparatus
- 11. Ultrasonic Pulse Velocity Meter
- 12. Pavement Core Drilling Machine
- 13. Digital Rebound Hammer 14. Benkelman Beam
- 15. Loading frame(50 Ton Capacity)



Testing of Materials Lab



Transportation Engineering Lab

#### **ACTIVITIES**



Glimpses of Project Exhibition (Amrut Expo 2K24)

# THE THE STATE OF THE PARTY OF THE STATE OF T

Ferrocement Society of India Conducted One Day Workshop on Applications of Ferrocement Technology in Civil Engineering

#### Results of May 2024 (BE)

Sr. No.	Name of toppers	CGPA
1.	Sonwane Harshada Shard	9.21
2.	Hase Vijaya Bhausaheb	9.12
3.	Hakim Ayesha Imran	9.10

Distinction: 62 First Class: 51

**Higher Second Class: 07** 



National Level Seminar on New Age Construction Products in the Construction Industry in association with Ultratech Cement



# Department of Computer Engineering

Department of Computer Engineering was started in 1986 with the intake of 60 and intake is increased to 120 in the academic year 2012-2013. The department is accredited 4th times by National Board of Accreditation, New Delhi and NAAC accreditation with A+ grade for five years (2022-2027). The department introduced ME (Computer Engineering) course in year 2010 currently with intake of 6. The Department has been granted recognition as a Ph.D. Research Centre under Savitribai Phule Pune University (SPPU), Pune, starting from the Academic Year 2025–26.

The department has well professionally qualified and experienced faculty dedicated to the betterment of the students. The goal of the department is to develop brilliant and dynamic engineers and technocrats to meet the challenges posed by the IT industry. We have excellent record of accomplishment of the results and placements. Efforts are also made to incline students towards entrepreneurship and startups. The Department is enriched with state-of—the-art laboratories it ensure that program objectives are continually met and learning outcomes are monitored through direct and indirect assessment.

Association of Computer Engineering Students (ACES), which looks in the various co-curricular and extra-curricular activities in the department. The department has established student chapters under IEEE CSI student chapter, ISTE student chapter. The overall goal of the department is to make brilliant and dynamic engineers to meet the industry challenges. The department organizes various expert lectures, educational visits, programming contest, etc. as part of student's development activities. Students are encouraged to enroll for various value added courses including Global certifications like Java, Dot.Net, RedHat Linux, BigData and AWS Cloud, Full Stack Developers. Our students also participated actively in State and National, International level project competition like Smart India Hackathon, ADHAR Hackathon, Maharashtra State Innovation Challenge etc.

#### Vision

To serve the needs of society through excellent technical education, promoting Industry-Institute Interaction and develop competent and cultured computer engineers.

#### Mission

**M1**: The Mission of Computer Engineering department is to develop and channelize creative talents of students to face effectively, challenges posed by ever-changing computing Industry with enhancement in Industry Institute Interaction.

**M2**: We, the faculty & the staff of computer engineering department commit themselves to inculcate good moral values, ethics and shape a strong academic background of the pupil so important to work towards the betterment of the society as responsible citizens.

#### **Program Educational Objectives (PE0s)**

Department of Computer Engineering is committed to provide the best environment for under graduate studies housing good laboratories and teaching faculty required for curriculum to ensure academic excellence and thereof the scholar in his career will be able to achieve all possible graduate attributes.

**PEO1:** To prepare globally competent graduates having strong fundamentals, domain knowledge, updated with modern technology to provide the effective solutions for engineering problems.



Computer Engineering Faculty members with Principal Dr. M. A. Venkatesh

**PEO2:** To prepare The graduates to work as a committed professional with strong professional ethics and values, sense of responsibilities, understanding of legal, safety, health, societal, cultural and environmental issues.

**PEO3:** To prepare committed and motivated graduates with research attitude, lifelong learning, investigative approach, and multidisciplinary thinking.

**PEO4:** To prepare the graduates with strong managerial and communication skills to work effectively as individual as well as in teams.

**PEO5:** To Provide opportunities of Industry-institute interactions and to promote Entrepreneurship and Start-ups.

#### **Program Specific Outcomes (PS0s):**

A graduate of the Computer Engineering Program will demonstrate.

**PSO1 :** Professional Skills- The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems of varying complexities.

**PS02**: Problem-Solving Skills - The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success.

**PSO3**: Successful Career and Entrepreneurship - The ability to employ modern computer languages, environments and platforms in creating innovative career paths to be an entrepreneur and to have a zest for higher studies.

#### **Faculty Strength**

Associate Professor = 03 Assistant Professor = 24

#### **Special Initiatives**

- NPTEL Local Chapter in association with Indian Institute of Technology (IIT).
- 2. Association of Computer Engineering Students (ACES)
- 3. ISTE, IEEE CSI Student Chapters



#### **Centre of Excellence**

- 1. AWS Cloud Center in association with AWS Academy.
- 2. ESDS Cloud Computing Excellence Center in association with ESDS Software Solution Ltd., Nashik.
- 3. Full Stack Developers in association with NetLeap IT Training & Solutions, Nashik.
- 4. Sumago Center of Practical Excellence (SCOPE) in association with SUMAGO INFOTECH Pvt. Ltd., Nashik.
- 5. Center of Excellence for Data Analytics in association with Manasvi Tech Solutions, Nashik.

#### Laboratories

#### **UG Lab**

- 1. Computer Graphics Lab 2. Project Lab 3. Design Lab 4. Software Lab- I 5. Hardware Lab 6. Software Lab- II
- 7. Fundamentals of Programming Lab 8. Software Lab- III 9. Software Lab-IV

#### **PG Lab**

- 1. Advanced Computing Lab
- 2. Nvidia GPU Education Center
- 3. Ph. D Research Center

#### **ACTIVITIES**

10. Microprocessor Lab



1st International Conference on Recent Trends & Advancements in Computing Technologies (ICRTACT 2024)



A National Level Hackathon Tech-Pragyan 2025

#### Results of May 2024

	Sr. No	Name of Toppers	CGPA
	1.	TALELE AKANKSHA ROHIDAS	9.62
Ī	2.	SONAWANE VAISHNAVI AVINASH	9.59
ſ	3.	DHAGE SHIVANJALI ANIL	9.44

**Distinction: 102** First Class: 43



#### Software Lab - II



#### Project Lab



Team Captivators 3.0 Bagged 1st Prize of Rs. 1 Lakh in Grand Finale of Smart India Hackathon 2024 at KIT, Kolhapur and Team Corex won 2nd Prize of Rs. 75,000/- in PU Code Hackathon 2.0 organized by Parul University, Gujrat.



Team TryTech secured 2nd prize of Rs. 30,000/- in A National Level Hackathon Tech-Pragyan 2025 organized by AVCOE, Sangamner.



## **Department of Automation & Robotics**

Department of Automation and Robotics Engineering is recently established by the institute from A.Y. 2021 22 as a UG program with intake capacity of 60. This program is approved by AICTE New Delhi and Affiliated to the Savitribai Phule Pune University. Automation is an indispensable part of the manufacturing industry, the majority of companies today are looking for lean manufacturing solutions and robotics which gives them many benefits to become more productive and stay at the top in this competitive era. Robotics is a key technology player in industrial revolution 5.0 and its impact assessment demands futuristic Outlook to live through its complete evolution.

Adoption of robots has begun to replace monotonous and assembly line work in sectors like automotive, pharmaceutical, IT, finance, and electrical/electronics. The horizon is shifting from manual work to automatic and robotic work. A futuristic and forward looking vision is specifically important for India as Robotics is still novel and its impact and consequences are yet to unfold.

Automation and Robotics engineering is an emerging multi-disciplinary course that requires profound application based knowledge in hardware as well as software development. The design of automation and robotic system puts together basics of mechanical engineering, manufacturing engineering, electrical/electronic engineering and computer engineering. A specialized undergraduate degree in Automation and Robotics engineering will enable students to serve the industry requirement for implementation of new and smart autonomous technology covering methods of synthesis analysis and optimization of newer robots and mechanisms.

#### Vision

Create able Automation and Robotics engineers through excellence in academics and industry-institute-interaction.

M1: To produce confident and professionally sound Automation and Robotics Engineers.

M2: To keep pace with recent development in academics / industry by strengthening the skill sets.

M3: To apply Automation and Robotics engineering knowledge for the benefit of society.

#### **Program Educational Objectives (PEOs)**

PEO1: To blend students with a solid foundation in mathematical, scientific and engineering fundamentals that will enable them to have a successful career in Automation and Robotics.

**PEO2:** To have in-depth and recent knowledge of Automation and Robotics to deal with multi disciplinary domain.

PEO3: Possess an innovative mind with better interpersonal skills with ethical values and team spirit leading to responsible & competent professionals.



Automation & Robotics Faculty Members with Principal Dr. M.A. Venkatesh

#### **Program Specific Outcomes (PSOs):**

PSO1: To be able to think critically, creatively and analytically in developing technological solutions to problems in Automation and robotics using multi disciplinary approach.

PSO2: To be able to handle collaboration between engineering and management related functions.

PSO3: To be able to understand professional, ethical and social responsibilities and engage in lifelong learning.

#### **Faculty Strength**

Professor Associate Professor = Assistant Professor =

#### **State-of-art Equipments**

- 1. VMC Machine Jyoti PX 30
- 2. Vicker's Microhardness Tester Omnitech MVH I C
- 3. Co-ordinate Measuring Machine Electronica Saphire 464
- 4. 6 Axis Industrial Robot Arm ABB IRB 1410
- 5. Computer Numeric Control (CNC) machine LMW
- 6. Al based FMS System
- Adv.inverted metallurgical microscope with IAS-Olympus GX53
- 8. PLC Bottle filling station
- 9. ROS IOT based SCARA robot system
- 10. Robot gripper setup 11. Humanoid Robots
- 12. 6 DOF IOT based DOBOTS
- 13. Siemens S7-1500 PLC with wireless communication module

#### Laboratories UG Lab

- 1. Robotics Lab.
- 3. PLC & Automation Lab.
- 5. Advanced Machine Tools Lab.
- 7. Metrology and Quality Control Lab. 8. CAD Lab.
- 9. Metallurgy Lab.
- 10.AI based FMS System

#### **Application Software**

- 1. RoboDK
- 2. RoboAnalvzer
- 3. Master CAM Version -2023
- 4. Unigraphics NX 7.5
- 5. Witness Simulation Software
- 6. DelCam
- 7. Cadem
- 8. Autocad 2023
- 9. Ansvs
- 10. MATLAB 2024-25 Campus wide free License

- 2. Robot Programming Lab.
- 4. Artificial Intelligence Lab.
- 6. Embedded Systems Lab.
- 11. PLC Bottle filling station
- 12. Humanoid Robots

#### **Department Initiatives**

- 1. e-Yantra Lab set up in association with IIT, Bombay
- 2. Robotics Club
- 3. IEI Students Chapter
- 4. AeSI Student chapter in association with Hal, Nashik
- 5. PMKVY center under incubation cell
- 6. TRS (The Robotic Society of India) student chapter





Industrial Robot programming workshop at Robotics lab



Advanced Machine Tools Lab"



CNC Lab



**Automation Lab** 



Proud Moment: Faculty with the First Batch of Automation & Robotics Engineering, Achieving 100% Placement.



Inauguration of IEI student chapter during ROS-II training session.



"Departmental Industrial Visit at Faith Automation, Pune"



"Divya Pawar (TE A & R) received the Science & Technology Academic Excellence Award from HAL, Nashik."



# Department of **Electronics & Computer Engineering**

The Electronics and Computer Engineering Department (formerly Electronics Engineering Department) was started in 1986-87 with an intake of 60. The department is two times accredited by National Board of Accreditation, New Delhi.

The department has highly qualified staff and state-of the-art laboratories with latest equipments, Electronic Design Automation (EDA) tools and Application software. The department has major equipment like Logic Analyzer, Spectrum Analyzer, Digital Storage Oscilloscopes, Modern AC and DC Drives, Programmable Logic Controller. The application software includes MATLAB and Simulink, LABView, Mentor Graphics EDA tools, PowerSim and Altium Designer.

#### Memorandum of Understanding (MoU's):

- 1. INTEL FPGA Academic program
- 2. Texas Instruments, Bangalore
- 3. Cisco Networking Academy
- 4. Fox Soluitions, Nashik
- 5. Juniper

#### Vision

To contribute for improving wellbeing of the students from rural background by imparting interdisciplinary education in the field of Electronics and Computer Engineering.

#### Mission

**M1**: To impart basic understanding of Electronic principles and software engineering principles based on a strong foundation of basic sciences and mathematics.

**M2**: To train our students to become proficient at putting theory into practice, capable of lifelong learning and be aware of the social and environmental issues.

**M3**: To endow students with the knowledge, technical skills and values that prepare them to excel as engineers and leaders in their profession.

#### **Program Educational Objectives (PEOs)**

The Electronics & Computer Engineering graduates will be able to

**PEO1:** Demonstrate technical competence in diverse fields of careers as engineers, consultants, technocrats and entrepreneurs.

**PEO2**: Contribute their Electronics & Computer Engineering expertise to design, development or maintenance of electronic systems, software systems, devices, instruments, or products.

**PEO3**: Demonstrate leadership, understand professional and ethical responsibilities and contribute for the betterment of the society.

**PEO4**: Communicate effectively, function well as a team member and manage projects in a multi-disciplinary environment.

**PEO5**: Pursue lifelong learning and adapt to the ever advancing technological changes.



Electronics & Computer Engineering Faculty members with Principal Dr. M.A. Venkatesh

#### **Program Specific Outcomes (PSOs):**

The graduate is expected to acquire-

**PSO1**: An ability to identify, formulate and solve real world problems based on sound knowledge of hardware and software aspect of engineering systems.

**PSO2**: An ability to design electronics circuits, apply programming skills to develop software for embedded systems, IoT applications, desktop and web applications, conduct experiments, analyse and interpret data.

**PSO3**: Skill to use modern tools, instruments, equipment, integrated development environments, compilers and software applications.

#### **Faculty Strength**

Associate Professor = 02 Assistant Professor = 11

#### Laboratories

#### **UG** Lab

- 1. Basic Electronics Engineering lab
- 2. Power Electronics lab
- 3. Electronics Communication Lab
- 4. Digital Electronics lab
- 5. Instrumentation lab
- 6. Programming Lab
- 7. DBMIS lab
- 8. Software Design lab
- 9. IoT and Embedded Systm lab

#### **Software Available**

#### **Application Software**

- L. MATLAB 4. Altium Designer
- 2. LABView 5. PowerSim
- 3. Xilinx ISE 6. MicroWind 7. Quartus Prime and Questa Intel

#### **Major Instruments**

- 1. Four Quadrant Chopper DC Drive for 1 H.P. DC Motor.
- 2. 3 Φ Brushless Generator for Wind Energy Application.
- 3. Tekhind C.R.O.- 350MHz.
- 4. Tektronics D.S.O-TDX2012-100MHZ
- 5. Allen Bradley Micrologix 1200 PLC.
- 6. Agilent Spectrum Analyzer.-9KHZ to 3GHZ
- 7. Flow and Level Control Trainer.
- 8. Siemens S7-1200 PLC





Instrumentation Lab



**Electronics Communication Lab** 

#### **ACTIVITIES**



 Guest Lecture on "Artificial Intelligence and its trends in transportation", by Er. Sunil Palande, Scientist F, Additional Director & Group Head-Strategic Systems Division, VRDE, Ahilyanagar (DRDO, Govt. of India)



Workshop on "Design thinking, Critical thinking and Innovation Design", by Mrs. Rutuja Sabane, Entrepreneur.



 Rutuja Deshmukh received ASHA RAJE AWARD for Best Perforance in girls category at District level from Institute of Engineers India



■ Eduskills Tech-Camp on "Google Android Development", for final year Electronics and Computer Engineering Students

#### Result of Electronics Engineering - May 2024 (BE)

Sr. No.	Name of toppers	CGPA
1.	MAHADDEV PUNAM NAVNATH	9.47
2.	DESHMUKH RUTUJA RAJENDRA	9.46
3.	GORE ROHAN BABAN	9.03

Distinction: 35 First Class: 20

**Higher Second Class: 03** 



Prathmsingh patil district winner of Maharashtra student Innovation Challenge Competition receiced 1 lakh prize



# Department of Electronics & Telecommunication Engineering

The Department of Electronics and Telecommunication Engineering is started in the year 2000 and is accredited by NBA. Currently, the department is offering an undergraduate program in E&TC engineering with intake of 120 students. Electronics and Telecommunication engineering is a field that encompasses the design, development, and implementation of complex electronic circuits and equipment for efficient Telecommunication systems. Engineers in this field are involved in various aspects, including the design, fabrication, and manufacturing of electronic equipment used in computer industries, automation fields, and defense applications and in programming.

The curriculum of Electronics and Telecommunication engineering program typically provides a comprehensive understanding of both basic sciences and engineering subjects. However, it places greater emphasis on acquiring in-depth knowledge of fundamental principles and state-of-the-art advancements in several areas, such as: Electronics Devices and Circuits, Computer Architecture and Microprocessors, VLSI and Embedded Systems, Antennas, Analog and Digital Communication, Microwave, Broadband Communications, Artificial Intelligence (AI), Internet of Thinks (IoT), Data Sciences and Programming Languages. During the four years study, students gain the knowledge of both the hardware and the software design/development making them competent in both software development and hardware designing career opportunities.

The Department of Electronics and Telecommunication Engineering prioritizes continuous outcome-based education, facilitated by a team of experienced and young faculty members specializing in relevant domains. Their expertise has consistently produced outstanding results, above the university results. The department has garnered numerous prestigious awards at a global level, including the "Krushi Mauli Puraskar" received from the International Krushi Mohatsav in both 2020 and 2019, as well as the "Outstanding IEEE MTT-S student's branch chapter" award in 2016 and the "Digital India Week Award" in 2015. Additionally, the department takes pride in having numerous university toppers and secure funding from various organizations.

#### Vision

To excel in modern trends of Electronics and Telecommunication Engineering through continuous teaching and learning process for nurturing promising engineers.

#### Mission

**M1**: To excel as state of art technological hub in the field of Electronics and Telecommunication Engineering.

**M2:** To enrich the students by adopting professional skill sets according to modern technological development.

M3: To develop society oriented value based learning..



E&TC Engineering Faculty members with Principal Dr. M. A. Venkatesh

#### **Program Educational Objectives (PE0s)**

In Consultation with its Constituents, the Electronics & Telecommunication Department has set its Program Educational Objectives as follows:

**PEO1:** To develop technically competent graduates with strong background in basic sciences and mathematics with complex problem-solving ability in Electronics & Telecommunication Engineering and allied fields.

**PEO2**: To equip graduates with hardware and computing skills, along with professional competencies such as effective communication, the ability to work independently and collaboratively in multidisciplinary teams, and to manage the projects with lifelong learning.

**PEO3**: To prepare graduates who exhibit integrity, social accountability, and ethical behaviour, utilizing their technical expertise to address societal issues, advance sustainable development, and ensuring environmental responsibility.

#### **Program Specific Outcomes (PSO's):**

**PSO1:** To demonstrate and apply the concepts of semiconductor, power electronics, control system, Signal processing, Communication, VLSI and embedded systems.

**PSO2:** To adopt state of art hardware and software tools to design and analyze electronics and telecommunications systems.

**PSO3:** :To develop problem solving and computing skills for strengthening professional competency to address needs of the Industry and Society.

#### **Faculty Strength**

Professor = 01 Associate Professor = 01 Assistant Professor = 14

#### Laboratories

#### **UG Lab**

1. Analog & Digital Communication Lab

2.Computer Lab -1

3.Computer Lab - 25.Digital Electronic Lab7.Embedded System Lab4.PCB Lab6.Project Lab8.VLSI Lab

9.Microwave Lab

10. Optical Fiber Communication Lab

#### **System Software**

- 1. Windows 7
- 2. Windows 10
- 3. Windows 11



#### **Software Available**

#### **Application Software**

- 1. Multisim-2012 simulation software
- 2. Xilinx 13.4 for VLSI design
- 3. EDA Tool & Software Single License produce code B2 spice
- 4. Microwind-3.5 Software
- 5. CAD FEFO software (5.5 version)

#### **Special Equipment**

- 1. GwINSTEK Vector Network Analyzer (30KHz 14 Ghz, Two port VNA)
- 2. Anritsu Vector Network Analyzer (25 MHz 3GHz, One port VNA)
- 3. RF Training system with 22 modules GwINSTEK Make(1GHz-2.4GHz)
- 4. Microwave power meter (10MHz-26.5GHz)
- 5. DWDM & BRAGG gracing module

#### Result of May-June-2024 (BE)

Sr. No.	Name of toppers	CGPA
1.	Mane Harshal Madan	9.51
2.	Kshatriya Bhakti Kishor	9.38
3.	Abhale Jyoti Jalindar	9.36

Distinction: 69
First Class: 04

**Higher Second Class: 01** 



■ Optical fibre Communication Lab.



Distribution of Amrut Meritorious Scholarship (2024-25)

- 6. EMI Probe Kit for RF near field testing
- Arbitrary Function Generator(1KHz-25MHz), GWINSTEK Make
- 8. GwINSTEK Spectrum analyser (10Hz- 3GHz)
- 9. OTDR(VOR 201)
- 10. Reflex Klystron based Microwave bench
- 11. Gunn Diode Based Microwave bench
- 12. Antenna Trainer Kit
- 13. HDTV Digital TV Trainer kit
- 14. Hameg Spectrum Analyzer
- Understanding 4G VOLTe Mobile Trainer kit, Scientech Model-2139
- 16. UPS-6 KVA
- 17. Digital Storage Oscilloscope 100 MHz, 4 Channel
- 18. Mitsubhishi Nexginie PLC
- 19. Smart LED TV 65"REC Ultra HD 4K
- 20. Calibrator 4&1/2 Multifunction Make Zeal
- 21. PCB prototype machine with PCB design
- 22. Interactive Flat panel neod 86'

#### **ACTIVITIES**



Guest lecture on "Portable Radar System for life activity sensing, anomaly detection and human tracking" by Prof. Li Changzhi (Tesxas Tech University, China)



Final Year Students project Exhibition (Amrut Expo 2025)



# Department of Information Technology

Department of Information Technology has been started in 2001 and presently running with intake of 120. Department is accredited by National Board of Accreditation (NBA), New Delhi in 2013 and 2022. Department has 8 advanced well-equipped laboratories, Seminar Hall, Tutorial halls and experienced dynamic faculties including 5 doctoral faculties. Apart from regular curriculum, excellent results, good placements, department also focuses on strong interactions with industries, foreign universities, IITs and government departments. Dr. Samant Khajuria, Aalborg University, Denmark, Hon. Tomio Isogai, Japan with his team, Scientist Dr. Mohammad Reza BeikZadeh Malaysia, Dr. Chayapol Kamyod, Mae Fah Luang University Thailand, Dr. Gulab Singh, IIT Bombay, Mr. Raj Desai, CITARA Team of IIT Bombay, Mr. Pravin Kolhe, Irrigation department, government of Maharashtra, Mr. Sunil Pal, Inspector Cyber Crime Cell Ahmednagar district, Dr. Manesh Kokare, SGGS Nanded, Dr. Parikshit Mahalle, Pune, Mr. Ashutosh Sharma, CheckmarX, Pune visited department and guided our students.

Department runs various value-added courses such as Cyber security, Internet on Things, Cloud and Mobile Computing, Data Science, Artificial Intelligence, Web Technologies, Machine Learning, Advanced Programming Skills, Training under Edu Skills. Under umbrella of the institution department offers Japanese and German language courses.

Our students have secured 7<sup>th</sup> and 9<sup>th</sup> rank in SPPU, Pune and have received gold and silver medals in NPTEL certifications run by IITs. Department regularly organize industrial visits to reputed industries such as Tata Consultancy Services (TCS) Pune, Reliance Infra Mumbai, C-DAC Pune, NCS Technologies Pune, BancBridge Aurangabad, eZest Pune, ESDS Nashik, Winjit Technologies Nashik, Hindustan Aeronautics Limited (HAL) Nashik, BSNL Ahmednagar. Department invites senior-alumni from reputed IT industries for regular interaction with students. Our alumni Mr. Deepak Pawar, Japan, Mr. Bapu Hirave, USA and Mr. Rahul Zalte, Assistant Commissioner of GST Mumbai, Mr. Sumit Attal, Winmax Telecommunication India, recently interacted with I.T. students. Our students are placed in reputed companies including Microsoft, Capgemini, Wipro, Fujitsu, TCS, Cognizant, IBM, Infosys, Amdocs, Persistent and many more. Apart from this department organizes various activities under Society of Information Engineering Students (SITES), Professional society chapter of Institution of Engineers (India) and Phoenix club of the department. Department has received grants from All India Council for Technical Education (AICTE) ATAL FDP and BCUD, SPPU Pune of Rs.13.65 Lacs. We strongly believe that "Excellence is a continuous process and not by accident...!!!".

#### Vision

To transfer the rural learners into competent IT engineers and technocrats in emerging areas of IT Engineering education through continual excellence for the benefit of society.



IT Engineering Faculty members with Principal Dr. M. A. Venkatesh

#### Mission

**M1:** To empower the youths in rural communities to be self-disciplined, physically fit, mentally robust and morally strong IT professionals

**M2:** To provide cutting-edge technical knowledge through continuous process in rapidly changing environment as per need of industry and surrounding world.

**M3:** To provide opportunities for intellectual and personal growth of individuals in rural platform using high quality Information Technology education.

#### **Program Educational Objectives (PEOs)**

**PEO1:** Possess strong fundamental concepts in mathematics, science, engineering and Technology to address technological challenges.

**PEO2:** Possess knowledge and skills in the field of Computer Science and InformationTechnology for analysing, designing and implementing complex engineering problems of any domain with innovative approaches

**PEO3:** Possess an attitude and aptitude for research, entrepreneurship and higher studies in the field of Computer Science and Information Technology

**PEO4:** Have commitment to ethical practices, societal contributions through communities and life-long learning.

**PEO5:** Possess better communication, presentation, time management and teamwork skills leading to responsible & competent professionals and will be able to address challenges in the field of IT at global level.

#### **Program Specific Outcomes (PSOs):**

**PSO-1:** Apply principles of science, mathematics along with programming paradigms and problem-solving skills using appropriate tools, techniques to expedite solution in I.T. domain.

**PSO-2:** Demonstrate core competencies related to I.T. domain of Data structures and algorithms, Software Engineering and Modelling, Hardware, Distributed Computing, Networking & security, Databases, Discrete mathematics and algebra, Machine Learning, Operating System.

**PSO-3:** Demonstrate leadership qualities and professional skills in modern I.T. platform for creating innovative carrier paths in placements, entrepreneurship and higher studies.



#### **Faculty Strength**

Professor = 01 Associate Professor = 01 Assistant Professor = 13

#### **Laboratories**

#### **UG Lab**

Software Lab I
 Software Lab II

3. Software Lab III

4. Software Lab IV

#### **Special Equipment**

17 Computers: 20 Numbers 15 Computers: 20 Numbers 10T Equipments: 200 Numbers

5. Software Lab V

6. Programming Lab IV

7. Programming Lab V

8. Hardware Lab

N-Computing Server: 01 Smart Classroom Board: 01 Smart TV: 01

#### **Application Software**

1) Windows 11 OS 2) Ubuntu OS 3) Microsoft Office 5) Android Studio 6) Visual Studio 4) Eclipse 7) MongoDB 8) MySQL 9) SQLite 10) Hadoop 11) NS2 12) NetBeans 15) Wireshark 13) Python IDE 14) VirtualBox 17) LibreOffice 16) GNU Octave

18) Apache HTTP Server

#### **Department Initiatives**

- Cyber Sanskar Centre of Excellence

- Edu skill Centre of Excellence in association of AICTE

- Institution of Engineers India (IEI) Professional Chapter

- Indian Society of Technical Education (ISTE) student chapter

- Society of Information Engineering Students (SITES) Association

- International Seminars: Foreign Professors/industry persons

- Internet of Things (IoT) Club

- Interactive Flat Panel(Smart Board) Installed

- Department TV Display for department happenings

- Phoenix Club

Programming Lab-V



Software Laboratory-II

#### **ACTIVITIES**



Amrut Meritoriois Scholarship Distribution



Best Startup Award at MIT WPU, Pune

#### Result of May 2024 (BE):

Sr. No	Name of toppers	CGPA
1.	Rashmikumari Awadhesh Kumar	9.21
2.	Hingmire Shubham Nitin	9.19
3.	Kolhe Vitthal Narayan	9.14

Distinction: 65 First Class: 09



Industry visit at CheckmarX Pune



# Department of **Electrical Engineering**

The Department of Electrical Engineering is started in the year 2012 and accredited by National Board of Accreditation, New Delhi (Score: 686). The department is offering an undergraduate program in Electrical engineering with intake of 120 students. The department is providing quality technical education to the student in order to meet challenges of globalization with the state of art equipment and laboratories, computational and audio-visual facilities and good interaction with industry. To bridge the gap between Industry and academic, department regularly organizes guest lecture, expert lecture, workshop, seminar, domain specific value addition course, conferences, industrial visit and Inplant Training. The department has student association ELESA (Electrical Engineering Student Association) which regularly organizes various activities like group discussion, debate, quiz, aptitude test, poster presentation, spot painting, mock interview for 360 degree development of the students. Department has active student chapters IEEE, IEI. We have excellent record of accomplishment of the results and placements. Efforts are also made to incline students towards entrepreneurship and startups. Ms.Mulay Sushma Bharat (B.E. Electrical) awarded with 2 Gold Medal and 4 other

#### The Highlights of department are as follows:

- 1. Mr. Sumedh Rahane & team received 1st Prize in state level DIPEX 2024 project competition.
- 2. Team Trident got Best Acceleration Award, Best Future Award & Best Aesthetics Award in SIEP E-Bike challenge 2025 held in Galgotias University, Noida.
- 3. Placement: A.Y. 2024-25: 96.55% & A.Y. 2023-24: 100%.
- 4. Registered Space Tutor of ISRO Bangalore.
- 5. Authorized Nodal Centre of ISRO IIRS Dehradun.
- 6. Nodal Centre of Swayam NPTEL, VLAB, IIT.
- 7. Highest Japanese & German Language certified students.
- 8. Patents:05, Copyrights Registered: 10

Book Chapters Published: 04 and Research Publication: 120.

#### Vision

To produce comprehensively trained, socially responsible electrical engineers to build the nation's imprint on the world's stage.

#### Mission

**M1:** To provide quality education at under graduate level in electrical engineering with state of art technological hub

**M2:** To enrich professional skills of students for meeting current & future need of industry for social & economical development of the nation.

M3: To maintain an environment which fosters holistic development and strengthens the Morality & ethics of the learners.

#### **Program Educational Objectives (PEOs)**

**PEO1:** Design, test and enhance electrical systems with the help of solid foundation in mathematics, science and engineering fundamentals.

**PEO2:** Accomplish the needs of industry by analyzing, designing and creating novel product with the help of modern engineering software and hardware tools and engineering principles.

**PEO3:** Involve effectively as individuals and as a team member in multi disciplinary projects and excel them in professional ethics and leadership qualities.



Electrical Engineering Faculty members with Principal Dr. M. A. Venkatesh

**PEO4:** Engage in life-long learning, carrier enhancement, leadership qualities &professional attitudes for societal benefits

#### **Program Specific Outcomes (PSOs):**

**PSO1:** Specify, design, prototype and test advanced electrical networks that performs control operation of drives.

**PSO2**: Formulate analyze and select appropriate technologies for implementation in modern transmission and distribution system.

**PSO3**: Built and implement programming logic for industrial process and automation.

#### **Faculty Strength**

Associate Professor = 02 Assistant Professor = 14

#### **Laboratories**

#### **UG Lab**

- 1.Electrical Machines Lab
- 2. Electrical Measurement & Instrumentation Lab
- 3. High Voltage Engineering Lab
- 4. Power Electronics Lab
- 5. Power System and Electrical Drives Lab
- 6.So ware Lab
- 7.Embedded System Lab
- 8.Basic Electrical Lab
- 9.Switch Gear and PLC Lab

#### **Major Equipments**

- 1. Power Quality Analyzer
- 2. Transmission line training model
- 3. High Voltage Insulation Tester
- 4. Motorized Oil Test Set
- 5. High Voltage Transformer with Sphere Gap Assembly
- 6. PLC & SCADA Trainer Kit M-1400
- 7. KVAR Measuring Equipment
- 8. Ageing Equipment
- 9. 30KV Cable Testing Unit
- 10. Transmission Line Model

#### **Software Available**

The Computer Lab has the latest software:

- MATLAB 2018 4. Scilab
- 2. P-SPICE 5. MPLAB
- 3. MI Power 6. Keil





Software Lab



**Embedded System Lab** 

#### **ACTIVITIES**



Mr. Sumedh Rahane & Team Received 1 st Prize in State Level DIPEX 2024 Project Competition.



1st rank in test round of SIEP E-BIKE challenge 2024.



Students Placed in ABB with 8.5 LPA



Awards in SIEP E-BIKE CHALLENGE 2025 held in Galgotias University, Noida

#### Result of May 2024 (BE):

Sr. No	Name of Toppers		CGPA
1.	Arashdeep Singh		9.85
2.	Kale Vaishnavi Shivaji	Patil Nikhil Sandeep	9.60
3.	Wale Satvik Ramdas	Ghule Anisha Bhausaheb	9.43

**Distinction: 86** 



Industry visit of T.E. Electrical students at ABB, Nashik



# Department of MBA (Master of Business Administration)

The institute established the Department of Management to impart high quality formal education in the field of management through a comprehensive two year full time regular MBA Course . The Department of MBA has over a short period, acquired and developed adequate infrastructure, expert faculty and resources to excel in imparting management education. The Department is housed in an exquisitely designed lecture rooms, computer laboratory, conference hall and library. The department is striving for excellence through industry-academic participation, consultancy and research. The MBA programme prepares students for local and Global careers in diverse sectors of the Industry. Likewise entrepreneurial perspective of job and wealth creation with a social context also needs to be integrated into various aspects of the programme. The department conducts various activities for overall all development of students like Group Discussion, PI, Debates, Paper Presentations, Case study, Role plays, Business Plan, Quiz, Ad-mad shows, Movie screening, Share Market Analysis, Mock Interviews. As an initiative to impart practical knowledge, the department frequently conducts field visits for exploring practical aspects of curriculum. Presently, the Department offers specialization in following areas 1) Marketing Management. 2) Financial Management. 3) Human Resources Management. 4) Operations & Supply chain management 5) Business Analytics.

#### Vision

To encourage and develop skills of rural students to become managers and entrepreneurs through management education.

#### Mission

To develop managers and entrepreneurs through managerial theories, techniques and process to ensure employment in real world business. Learning is to create dynamic opportunities for career preparation and personal development.

#### **Faculty Strength**

Associate Professor = 01 Assistant Professor = 05

#### **Laboratories**

PG Lab

Computer Center = 01

#### **MOU With Industry**

- MoU with National Institute of Securities Management (NISM) regarding certification programs and exam
- 2. Membership of National Institute of Personal Management (NIPM)
- 3. MoU with Bajaj Finserv regarding online certification program related to banking, finance & insurance.
- 4. MoU with Gnosis Plus LLP regarding training program related to business communication & soft skills.



MBA Faculty members with Principal Dr. M.A. Venkatesh



Seminar on "Innovative Placement Practices & Career Opportunities in Management Field" by Ms. Renu Misra, Associate Vice-president, IIM-Ahmedabad



#### **Placement Highlights:-**

- Successfully secured 100% placement for the academic year 2023-24, highlighting our commitment to career excellence.
- Proud placements for the batch of 2024-25

#### Result of May 2024 (MBA)

Sr. No	Name of toppers	CGPA
1.	Dighe Sakshi Ramnath	7.85
2.	Macharekar Aishwarya Ranjeetsingh	7.81
3.	Nehe Abhay Yashvant	7.8

Distinction: 06 First Class: 38



#### **ACTIVITIES**



Finance Club Opening



Industrial Visit at Parle Biscuits Pvt. Ltd.



Seminar by Prof. Renu Misra Placement Head IIM Ahmedabad



**Management Games** 



MSME Training program



**Outbound Activity** 



**Team Building Activity** 

#### **MBA Department Highlights -**

- Practical Learning & Hands on experience through real world projects
- Consistent Placement Record with good package
- Professional Skill Development through Corporate Training Program
- Competent & Expert Faculty
- Internships and Field Projects
- NISM certifications courses Athorised Center
- Diverse Career Opportunities in Management
- Increased Entrepreneurial Potential through MSME Program
- Learning from value added courses
- Advanced Computer facility
- Smart Classroom for Teaching
- Learn & Master in business skills



## **The Campus**

The lush green college campus is spread over 15.6 acres of land. The attractive campus is with beautiful buildings housing spacious class rooms, state-of-the-art laboratories, central computing facility, seminar/conference halls with the facility of video conferencing, auditorium, open theatre, library and sports complex. The picturesque backdrop of the green hills embraces the campus, which provide conducive environment for studies.













Main Building: This Building has the Reception counter, Principal's Office, General Administration Office, Sanstha Office, Departments of Civil, Electrical, IT, E&TC, Computer, Elex. & Comp., Al&DS, Engg. Science and their respective Labs, Language Lab, Central Library, Account Section, J.R.D. Tata Conference Hall, Central Computing Facility, Open Theatre, Bank, ISO Cell, Career Development Center, Sir M. V. Hall, Sir C. V. Raman Hall, Principal Meeting Hall and the idol of Goddess Saraswati in the central garden.



Main Building

**Dronagiri Building:** This Building has Dept. of Mechanical Engineering, A&R Engineering, MBA and their respective labs. It also have a fully air-cooled conference hall with ultramodern facilities like LCD system, Audio system, for organizing conferences, video conferencing, workshops, seminars etc.

#### **Central Computing Facilities:**

- 80 Computer Systems with i3, 8 GB Ram, 3.6 GHZ configuration available in CCF Lab.
- 200 Mbps Leased Line for internet connectivity with Wi-Fi Communication.
- University Examination, Various training programmes, Govt. Competitive exams like Railways, Banking etc., MH-CET and Various Seminars are conducted



**Central Computing Facility** 

Language Lab: Students from FE to BE are engaged to improve Listening, Speaking, Reading, Writing in the language lab. The lab is equipped with GOLS Softskills Lab software for unlimited users with headphones. In addition to these, also the lab has orell software to boost the language skills. The lab also equipped with GOLS Language Lab software for 50 users.



Sakura Japanese Center

Under foreign language centre, our college offers various certification courses like **German (A1, A2, B1) & Japanese (N5 to N1).** Under this, German and Japanese classes are conducted. and also certifications of the above languages are done.



**German Language Certification** Program A1 Certification 18 students & A2 Certification 19 students



Students are qualified in Japanese Language Certification



#### **Open Air Theatre:**

The main building of AVCOE has an open theatre 'Amrutkalamanch' for organizing the mega cultural events, annual social gathering, motivational lectures, yoga programmes, etc. The Amrutkalamanch has the seating capacity of more than 2500.



Open Theater (Kalamanch)

#### **General Office:**

The General office comprises establishment section, student section which takes care of admissions, University examinations, display of results, distributions of mark sheets, preparations of merit list, assistance for availing scholarships, travel concessions, issue of students documents or certificates etc. and account section deals with students fees and other monetary transactions.



General Office Staffs with Principal Dr. M.A. Venkatesh

## **Board of Student Development**

The Borad of Students Development (BSD) looks after the development activities of the students.

BSD promotes and co-ordinates the different students activities for better corporate and social life.

The Board of students Development activities are organised by the Dr. R. S. Pawase, Board of Student Development Officer. Some of the Schemes and activities are as follows.

#### **Schemes**

- 1) Fearless Girls Campaign (Nirbhay Kanya Abhiyan) Scheme:
- 2) Special Guidance Scheme
- 3) Personality Development Scheme
- 4) Disaster Management Scheme
- 5) Karmaveer Bhaurao Patil 'Earn and Learn Scheme'

Academic	No of Students		Amout	
Year	Male	Female	Spent(Rs.)	
2024-25	49	37	10,01,440	
2023-24	40	38	6,35,335	
2022-23	33	38	4,95,765	
2021-22	6	8	41,040	
2019-20	46	26	5,25,500	
2018-19	50	31	7,15,995	
2017-18	38	32	7,40,000	

#### **Activities**

- Annual Prize Distribution
- ❖ Anti-ragging Cell
- P. C. Alexander Elocution Competition
- Samarth Bharat Abhiyan
- Soft Skills Programme
- Student-related Seminar / Conferences / Workshops / Lecture Series / Camps etc.
- Students Safety Insurance
- Students Council & many more



Swarang 2023 District Level by SPPU Pune



Swarang 2023 University Level by SPPU Pune



#### Academic Vigilance:

Dean Academics, headed by the HOD's and senior faculty members look after the academic activities with the assistance of two staff members. The dean conducts periodic meetings of faculty to review the syllabus coverage, students attendance report and their performance in semester examinations. Two tests in a semester are conducted and after each test, the progress reports and attendance reports are sent to the parents. Students counselling is also a part of Dean office activities.

#### **Academic Excellence:**

With the changing time, there has been a revolution in the conduct and delivery of engineering education. The management encourages the staff to acquire doctoral degree by sponsoring them. The faculties are actively involved in research and developement activities, consultancy projects, writing of books and paper presentations / publications of national / international levels and undergo summer / winter schools / workshops /NPTEL/NITTTR training programmes etc. for upgradation.

- The teaching learning methodology is given more thrust for improving the qualitative and quantitative standards of the institute which rightly reflects in the University results.
- Our students regularly feature in the University Rank lists in all the disciplines. Meritorious students are awarded with cash prizes and certificates.
- Rs. 1000/- per month is given as a scholarship to the students who scores more than 9.5 SGPA for a semester only.
- Teaching-learning process is introduced to enhance the basic concepts. Additional Lectures are conducted to teach beyond the syllabus.
- Special Guidance is given to the weaker students so that they can become fit to face competition.
- Feedback analysis method has been adopted for qualitative teaching. The faculty takes necessary remedial steps, if required.
- Institute has Synchronic Sack info Web Based ERP System for teachers as well as for students. Each student has their own login to keep track his/her subject wise attendance and progress in various internal exams. Students give feedback about college and the teaching learning process. ERP enables the facility to



**Blood Donation Camp** 

send SMS to parents periodically about student's performance. Also integrated with online payments gateway to pay College fees and other fees through online mode.

#### First Year Engineering (FE COMMON):

- ❖ FE Academic activities is headed by FE Coordinator.
- ❖ To make the student feel at home, direct interaction with the parents and personal care of every students is taken.
- Class Teacher concept, Tutor scheme, Personality Development Programmes etc. are regular activities. The Class Teacher is an intermediary between tutor and FE-Coordinator. The Tutor teacher acts as a friend, philosopher and guide to a batch of twenty students in a class.
- Twice a semester SMS are sent to the student's parents regarding the progress reports, attendance, unit test performance and other instructions.
- Solves the academic as well as non-academic issues of the students. A Professional counselor is appointed for counseling.
- The First year class rooms are well equipped with DLP, CCTV and teaching is done with aid of blackboard and chalk, power point presentation, video lectures etc.

#### **Tutor System:**

The institute has tutor Scheme in each department from F.E. to B.E. The meetings of tutor with students are conducted in every 15 days upto ending of the semester. For every batch (group of 20-22 students), one tutor is assigned.

#### Objectives of the Tutor Scheme:

- To motivate and assist them to improve curricular, co-curricular and extracurricular performance.
- To provide a framework for positive interaction between students, tutors and staff.
- To enable the students to understand the challenges and to find the positive solutions for the overall development.
- To Motivate students through Positive role models.



INNOVATION AND INCUBATION CENTER



# **College Library**

- The central library with vast collections of books and it is a treasure house of knowledge and information.
- The library is fully automated with Sack Info ERP Library Management Software with barcode system.
- The library database is centrally computerized.
- The library has rich collection of text book, reference books, handbooks, manuals etc.
- The library has an area of 1222 square meters.
- The library has subscribed research journals in electronic as well as printed formats with various reputed online scientific databases such as IEEE, ASCE, ASME and DELNET.
- Photocopying and printing is provided to students at nominal rate.

Reading Hall Student Seating Capacity	400
Total Number of Books (Volumes)	69309
Number of Titles	15354
E-Books Subscribed	44000+
Syllabus Base Reference Books	6838
Magazine	10
Bound Volume	1250
E-Journals (IEEE, ASME, ASCE )	270

#### The Library has Institutional Membership:

- Developing Library Network (DELNET), New Delhi.
- National Digital Library of India (NDL), Kharagpur India



Library

Library Timings	
Monday to Saturday	08.30 am to 05.00 pm



Central Library

#### **Library Services & Facilities:**

- \* Reference and Information Service
- \* Circulation Service (Book Issue and Return Service)
  Reprography Service Digital Reference Service
- \* Online Document Delivery Service
- Newspaper Clipping Service Online Public Access Catalogue
   [OPAC]
- Reading Room facility
- \* Institutional Repository Scanning facility
- \* Wi-Fi facility
- \* Book bank facility Plagiarism Checking Service English Speaking books with Cds
- \* Marathi Literature & Comparative Examination book facility.

#### **Digital Library Facility:**

The Central library has a separate place exclusively devoted for a digital library having 16 computers to facilitate like to surf the internet, listen and view academic related audios & videos. Apart from this, the users from the digital library can also browse the parent library through Library OPAC (Online Public Access Catalogue) and even subscribed electronic databases. The digital library is designed and developed keeping in view the shifting electronic environment and the day needs of students.



Reading Room

Reading Room Timings	
Everyday	08.30 am to 05.00 pm
During Exam period	08.30 am to 11.59 pm



# **Research & Development Cell**

Innovation and Invention plays a vital role in national development, and it is also an essential aspect of education in nurturing the research culture in students and faculty members. The Amrutvahini College of Engineering is dedicated to developing a research culture in students at very early stage of graduation by running the course, such as project-based learning during the first year. The students develop their ideas into innovation by converting the thoughts into working models/demo models/prototypes, which are presented in the Project Exhibition "Amrut-Expo" every year. The best research project of students are identified, which further processed for filing the IPR: /Design Registrations/Patents/Copyrights/Trademarks. The R&D cell also encourages students to participate in different National and International events/competitions such as Chhatra Vishwakarma Award Project Competition (AICTE), AVISHKAR by Savitribai Phule Pune University, Future Solar Design Challenge, INSDAG, SAE: M-Baja, E-Baha, Tifan and Aero India Challenge, Go-Cart, Smart India Hackathon, Unnat Maharashtra Abhiyan and Unnat Bharat Abhiyan. It assists the faculty members to participate in various research funding schemes such as AICTE Quality Improvement Scheme (AQIS), ASPIRE and AVISHKAR by Savitribai Phule Pune University Pune. The R&D Cell is having the facility of Plagiarism checking software like Turnitin, Urkund etc. The institutions Innovation Council (IIC) is established under R and D Cell in Amrutvahini College of Engineering, Sangamner on 29/01/2021. The IIC functions to identify prepare and create string pipeline of students and faculty members for commercialization through

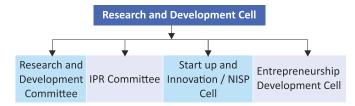
Category	Published / Registered	Granted
Patents	21	08
Copyright	25	
Research Papers	281	
Book/Book Chapters /Conference	29	

startup and enterprise mode.

The research and development cell is engaged in the following activities:

- 1. To create, maintain and enhance the research environment for UG and PG students.
- 2. To help in improving the in-house research facility.
- 3. To help the faculty members and students for fetching the research grants.
- 4. To assist in filing the IPR of faculty members and students.
- 5. To conduct the teachers training program in a research perspective.

#### **Research and Development Cell Structure:**





Workshop on Entrepreneurship skill, Attitude & Behaviour development by Mr. Sunil Chandak Certified Trainer with the Entrepreneurship development institute of India, Ahmedabad

### From Savitribai Phule Pune University QIP Proposal under IQAC

Department	Year	Scheme	Amount
Computer Engg.	2024-25	ASPIRE Reaserch Grant BCUD, SPPU	2,35,000
Electronics & Computer Engg.	2024-25	ASPIRE Reaserch Grant BCUD, SPPU	2,35,000
Electrical Engg.	2024-25	ASPIRE Reaserch Grant BCUD, SPPU	1,93,000
Mechanical Engg.	2024-25	IQAC, SPPU Pune	80,000
Civil Engg.	2024-25	ASPIRE Reaserch Grant BCUD, SPPU	5,90,000

Department	Year	Scheme	Amount
Electronics & Tele. Engg.	2024-25	ASPIRE Reaserch Grant BCUD, SPPU	2,15,000
Information Tech.	2023-24	ATAL FDP, AICTE	3,50,000

Year	Scheme	Amount
2023-24	AICTE IDEA Lab	90,00,000
2024-25	Civil Consultancy	11,48,147



# **Antiragging Rules**

# Summary Of UGC Regulations On Curbing The Menace Of Ragging In Higher Educational Institutions, 2009.

- **1. Preamble:** In view of the directions of the Hon'ble Supreme Court dated 8.05.2009 and in consideration of the determination of the Central Government and the University Grants Commission to prohibit, prevent and eliminate the scourge of ragging.
- **2. Objective:** To eliminate ragging in all its forms from universities, deemed universities and other higher educational institutions in the country by prohibiting it under these Regulations, preventing its occurrence and punishing those who indulge in ragging as provided for in these Regulations and the appropriate law in force.
- **3. What Constitutes Ragging:** Ragging constitutes one or more of any of the following acts:
- a) Any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student. b) Indulging in rowdy or in disciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student.
- c) Asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student.
- d) Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher.
- e) Exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.
- f) Any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students
- g) Any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;
- h) Any act or abuse by spoken words, emails, post, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student.
- i) Any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

#### Amrutvahini College of Engineering's Stand on Ragging:

Amrutvahini College of Engineering, being a premier Institution of Engineering Education, is not lagging behind to join the mission to eradicate this dreaded social evil from the society and pledges to make college campus a "Zero Ragging Campus", which will, no doubt, be an important milestone towards perfect learning and acquiring practical knowledge and guarantee equal opportunities to all and highest regard for human rights.

In strict compliance to the directions of The Supreme Court, Maharashtra Government, AICTE, UGC, Savitribai Phule Pune University and with a view to curb the menace of ragging effectively, Amrutvahini has taken the following measures:

1. Constitution of Anti-ragging Committee and Anti-ragging Squad (details of committee and squad are available on college website). It shall be the duty of the Anti-Ragging Committee to ensure compliance with the provisions of UGC Anti-Ragging Regulations as well as the provisions of any law for the time being in force concerning ragging; and also to monitor and oversee the performance of the Anti-Ragging Squad in prevention of ragging in the institution. The Anti-Ragging Committee of the Institute will promptly conduct enquiry into the incident as per provisions laid down in Clause 6.3(e) of the UGC Regulations. It is the duty of the Anti-Ragging Squad to be called upon to make surprise raids on hostels, and other places vulnerable to incidents of, and having the potential of, ragging and empowered to inspect such places. It will also be the duty of the Anti-Ragging Squad to conduct an onthe-spot enquiry into any incident of ragging referred to it by the Head of the institution or any member of the faculty or any member of the staff or any student or any parent or guardian or any employee of a service provider or by any other person, as the case may be; and the enquiry report along with recommendations will be submitted to the Anti-Ragging Committee for action under clause (a) of Regulation 9.1.

2.The telephone numbers of the Anti-Ragging Helpline and all the important functionaries in the institution, including but not limited to the Head of the institution, faculty members, members of the Anti-Ragging Committees and Anti-Ragging Squads, Rectors of hostels, and other functionaries or authorities are displayed at college and hostel campus and published on college website

#### • Punishments For indulging and Abetting Ragging

#### (REF: Clause 9.1 of UGC regulations as well as AICTE guidelines)

Ragging in any form is a cognizable offence under the law. Exemplary and justiably harsh punishment to be given to those found guilty of Ragging and indulgence to ragging. Punishment at the institution level include:-

- 1. Cancellation of admission
- 2. Suspension from attending classes.
- 3. Withholding/withdrawing Scholarship/Fellowship and other benefits Disqualification from appearing in any examination/evaluation process.
- 4. Withholding examination result.
- 5. Disqualification from representing in any meet, event, tournament, festival etc.
- 6. Suspension/expulsion from hostel.
- 7. Rustication from the institution to a maximum 4 semesters.
- 8. Expulsion from the institution and consequent disqualification from admission in other institutions.
- Collective punishment when the person(s) committing / abetting the crime is / are not identified.
- 10. Fine of Rs. 25000.00.

The Anti-Ragging Committee (ARC) shall take appropriate decision with regard to punishment or otherwise, depending on the facts of each incident of ragging, nature and gravity of the incident. (The ARC may also constitute an enquiry in such case, if feels necessary.)

Anti-ragging Information
 (A) For Senior Student:



The senior student should note that they should not engage themselves in any kind of Ragging activity inside as well as outside of College Campus. Strict action as per above AICTE Regulations will be taken against them if anybody is found indulging in Ragging activity. All senior students and their Parents/Guardian should submit the Affidavits duly filled on website: www.antiragging.in or www.amanmovement.org along with the admission form at the time of payment of fees. The student who fails to submit the Affidavit will not be granted admission in the College.

#### (B) For Fresher Student:

The fresher student can contact any of the Committee Member or the Principal at any time, if anybody tries to do Ragging with them. The Fresher student should desist from doing anything against their will even if ordered by the seniors. They should immediately contact the Office or any of the Anti-Ragging Committee/Squad Member and report the incident immediately. The College will take stringent action against the senior student involved in Ragging .The fresher's should not fear of any action and should not tolerate any kind of atrocities of seniors students. All fresher students and their Parents/Guardian should submit the Affidavits duly filled on website: www.antiragging.in or www.amanmovement.org along with the admission form at the time of payment of fees. The student who fails to submit the Affidavit will not be granted admission in the College. For monitoring students, the following members are formed as antiragging committee members i.e. 1. Dr. M. A Venkatesh, 2. Dr. R. P. Labade, 3. Executive Magistrate, 4. Police Inspector, 5. Shri Ganesh Bhor, 6. Shri Navnath N. Katore, 7. Dr. Suchit Madanlal Gandhi, 8. Shri S. R. Dengale 9. Mr. Om Hure, 10. Mr. Nikhil N. Katore, 11. Dr. V. S. Ubale, 12. Prof. V. Y. Patil, 13. Ms. T.N. Varpe, 14. Shri N. N. More, 15. Dr. P. N. Nagare and the anti-ragging squad members are 1. Dr. V.S. Ubale, 2. Prof. V. Y. Patil, 3. Dr. S.S. Kadlag. 4. S. D. Gundal, 5. Dr. B. S. Borkar, 6. Dr. P. N. Nagare, 7. Prof. S.R. Pandit 8. Mrs. T. N. Varpe, 9. Mr. N. N. More.

#### Contact details regarding ragging complaints:

1. Dr. P.N.Nagare
Member Secretary, Anti-ragging
Committee, Department of
Mechanical Engineering,
Amrutvahini College Engineering,
Mo.No: 9511832351.
Email: prashant.nagare@avcoe.org

2. National Anti-ragging helpline number: 1800-180-5522 Email:helpline@antiragging.in

### **Internal Complaint Committee:-**

#### Overview

The Amrutvahini College of Engineering has zero tolerance policy against discrimination and sexual harassment. An act of sexual harassment is a punishable offence. In terms of sexual harassment of Women at Workplace (Prevention, Harassment and Redressal) Act 2013, with a view to provide protection against discrimination and sexual harassment of women at workplace and for the prevention and redressal of complaints of sexual harassment and for matters connected therewith or incidental there to, the internal Complaints Committee (ICC) has been constituted. ICC meets on a need basis to address any complaints from students, teaching and nonteaching members and takes necessary action. The college is committed to providing a safe and conducive work and academic environment to students and its employees and is extremely alert to matters pertaining to any kind of harassment and gender sensitivity. This policy establishes the basis for the formation of ICC, including their composition, membership, terms and recommendations. And Internal Complaint Committee shall have Confidentiality, Non - Coercion and Interim relief, Fair Policy, Education and Redressal, Ethics for Research Supervision.

#### **Objectives:**

- 1.To fulfil the directive of the Supreme Court enjoining all employers to develop and implement a policy against sexual harassment at the work place.
- 2. To ensure the implementation of the policy in letter and spirit through proper reporting of the complaints and their follow-up procedures.
- 3.To uphold the commitment of the Institute to provide an environment free of gender-based discrimination.
- 4. To create a secure physical and social environment which will deteracts of sexual harassment.

#### Dr. Rekha P. Labade,

Professor & Head E&TC Engineering Department Chair Person 9850498510 hod.entc@avcoe.org

# **Hostels**

The capacity of the hostel is 1334 students including two boys & two girls hostel. Three students can accommodate in one room, cub board to every student. Each hostel a separate dining hall with mesh facility. TV room, guest room, garden, gymkhana, commercial complex and an on-campus clinic with highly experienced doctors are there for boys and girls separately.

#### **Intake Capacity**

**Boys Hostels:** Intake capacity - 800 (Sinhgad = 600, Sajjanad = 200)

**Girls Hostel:** Intake capacity - 700 (Kalsubai = 412, Krushanwanti = 288)

### **Objective of Hostel Department**

- To endow with good amenities to students at subsidised rates.
- To maintain discipline in the hostel
- To address the students Grievances related to hostel facilities

#### **Hostel Facilities**

- R.O. Water through water coolers.
- Hot Water using Solar System & Heat Pumps
- Normal Potable water for 24 X 7 hrs.
- Clean & lush green environment.



- First Aid and Medical facility.
- Ambulance for medical emergency.
- ❖ 24 Hr Power supply with 263KVA generator backup.
- Wi-Fi Facility in hostel premises.
- LCD Television with Dish Connection.
- Daily 2 English & 3 Marathi News Papers
- Separate fitness center for Boys and Girls.
- Guest house for parents in hostel campus.
- Student Facility Center with photocopying facility, Laundry, Book stall, general stores & Beauty Parlor for Girls.
- Fire Extinguishers are installed in all hostels.
- Security guards are deployed in each hostel.
- CCTV surveillance.
- A separate Mess and Canteen.
- Internet Centre at girls hostel.
- Bio-metric attendance at Ladies and Gents hostel.



Sajjangad Boys Hostel

**Mess and Canteens :** There are total five Messes and Canteens in campus

- 1. Annapurna Mess 2. Atithi Mess 3. Gayatri Mess
- 4 Godawari Mess 5 Sajjangad Mess

Every mess is under control of college authority, a mess committee is formed at college level who check the quality of food and submit the periodical report to college management.



Canteen



Krishnavanti Ladies Hostel



Sinhagad Boys Hostel



Kalsubai Ladies Hostel

Regarding details about the Hostel Please contact to the

#### Dr. Vilas S. Ubale

Assistant Professor in Elex. & Comp. Engg. & Chief Rector AVCOE, Sangamner, Mob: 9422743800 Email id - vilas.ubale@avcoe.org

**Staff Quarters:** Principal's bungalow built up with an area of 2000 sq. feet surrounded by a beautiful garden is situated in girls hostel campus. It also has guest rooms, security cabin etc. For both teaching and non-teaching staff, total 114 quarters are provided within the campus; (4, 30 & 72 are of B, C and D types respectively and 8 flat system).



Amrut Kuti - Guest House: A beautiful guesthouse with ultramodern facilities comprising conference hall, dining hall and recreational facilities is situated on the hillock, which is surrounded by gardens. A panoramic scene of the campus can be viewed from the guesthouse



Amrut Kuti - Guest House

**Parking:** Spacious parking facility is provided for staff and students.

**Shopping Complex and Guest House:** The campus has a shopping complex which houses book shops, general store, ice cream and juice center, Canteen, cafeteria, and photocopy center to take care of basic needs of the students. A well furnished Guest House is also there in this complex.



Shopping Complex

# **Sports Facility**

All indoor and outdoor facilities are available in the Gymkhana. Students are motivated to participate in intercollegiate, state level and inter University national level competitions.

- Two full time qualified physical directors (Mr. Balasaheb Shitaram Shinde for boys and Mrs. Archana Nanasaheb Navale for girls) is appointed to coach and guide the students for sports activities.
- Facility of sports materials / equipments / uniform / medical aid during practice sessions for tournaments is provided.
- Well equipped Health Center, play ground and a sports center are available.
- Additional playground for cricket, athletic track lanes, long jump and discuss throw is available.
- The college host university level competitions regularly.

The institute regularly arranges sports activities, in campus and also inter-collegiate competitions in Cricket, Footbal, Hockey, Volley bal, Basketball, Kho-Kho, Kabaddi, Hand ball, Table Tennis, Carrom, Chess & Badminton.

#### **Sports Achievement:**

Our college students participated in various intercollege sports activities



CRICKET



Volleyball



### **Podcast Studio**





## **Activities**

#### Co Curricular Activities:

#### **Soft Skill Development Program:**

The "Soft Skill Development" Program has been made compulsory from the first to final year students to enhance their communication skills and improve group discussion and interview skills. These efforts have certainly enhanced students employability, overall development and yielded considerable increase in placements.

#### **Competitive Examination Cell:**

To prepare the students for different competitive examination like GATE / UPSC / MPSC / GRE / TOEFL the "Competitive Exam Cell" has been established. The separate Library and reading room has been provided for this purpose. Students are coached by guest lecturers for the GATE examination and 7 students qualified in GATE 2020, 11 students qualified in GATE 2021. 11 Students qualified in GATE 2022, 9 Students qualified in GATE 2023, 14 Students qualified in GATE 2024.

National Service Scheme: National Service Scheme (NSS) has been playing a vital role in enriching the souls and minds of the students of the university since long time. The overall objective of this scheme is 'Education and Service' to the community and by the community. The institute has an active NSS unit with 100 volunteers for regular and special camp activities. Additional unit of 100 volunteers is sanction by SPPU, Pune as a recognition. The following activities are conducted under NSS.

- a. Clean India, Green India.
- b. Save Water, Save Life.
- c. Health is Wealth.
- d. Education to Rural India.
- e. Blood Bank Helpline.
- f. Adopted in 5 villages.



Hemoglobin Checkup Camp For Girls 2024



Gate Score: 59.14 Computer Engg.



Gate Score: 59.14 E&TC Engg.



Gate Score: 47.38 Computer Engg.



Avdhut Thorat Gate Score: 34.29



Abhay Thorat Gate Score: 31.83 Computer Engg.



Mayuri Gawande Gate Score: 30.6 Computer Engg.



Gate Score: 30.2 Computer Engg.



Vivek Shelke Gate Score: 29.57 Computer Engg.



Athary Nirhali Gate Score: 29.38 Gate Score: 27.62



Gate Score: 27

Ariun Chawande Kaial Ghodake

Gate Score: 26.64





Gate Score: 19.67 Information Technology E&TC Engg.



Harsh Chhaied Omkar Naikwadi Gate Score: 49.43 Computer Engg.



Computer Enga.



Vaishnavi Shete Mavuri Gawande : 33.51 Computer Enga. Computer Enga.



Chetan Thorat Rushikesh Gurap Computer Enga.



Computer Enga.



Harshal Rane Computer Enga.

# **GATE QUALIFIED STUDENTS 2021-2025**



Gate Score: 30.23



Gate Score : 27.87 Computer Engg



Gate Score: 26.88 Computer Engg.



**Mohit Shirsath** Gate Score: 25.55



Gate Score: 25.22



Shreya Gadekar Shubham Bulkunde Gate Score: 24.89 Computer Engg.



Ayush Soren Gate Score: 17.67 Electrical Engg.





Dhananjay Rokade Vaishnavi Khule



Gate Score: 23.33 Gate Score: 32.67 Gate Score: 48 Electrical Engg.



Wagh Navnath Gate Score: 35.33 Information Technology



Amol Kokane Civil Engg.



Omkar Ingale Civil Engg



Navnath Ahire Gate Score: 21.31



Wagh Navnath Gate Score: 25.35 Information Technology Electrical Engg





Sanket Kahane Dnyaneshwar Gawai Civil Engg.



Shrikant Balsaraf Civil Engg.



Omkar Ingale Civil Engg.



Rajashree Gawali Civil Engg.





 Eco friendly Ganapati making compitition at AVCOE, Organised by NSS.



Swachha Bharat Abhiyan by NSS

### **Extra-Curricular Activities**

**Yoga Club:** Conducts spiritual courses on meditation, pranayam, relaxation technique to improve memory power, concentration etc. College organizes the Yoga activities for all the staff members & Students.





■ International Yoga Day celebration 2025.

**Music Club:** Identifies and promotes students who have interest in music.

#### **IKS Club:**

The Indian Knowledge System (IKS) Club promotes awareness and understanding of India's rich heritage in science, philosophy, arts, and culture. It encourages students to explore traditional knowledge through modern perspectives, fostering pride and innovation rooted in ancient wisdom.











■ Medha - 2025

**Adventure Club:** Organizes tours to historic places, trekking, rappelling, valley crossing, wild life observation etc.





Trekking At Hadsar Fort

# Facilities:

**Security Measures :** Security personnel are equipped with walky talky are deployed at every strategic location in the campus. The whole campus is under CCTV surveillance.



**Audio Visual Facility** 

**Safety Measures**: The college has installed fire extinguishers in every department and sections. Training has been imparted regarding the use of it. The staff are trained how to handle the fire extinguisher.



Training session for Fire Fighting

**Electricity and Generator Facility:** A roof top solar power plant of 400KW capacity is installed, which generates the power required for the campus. Generators with a capacity of 200 KVA and 62.5 KVA are supported for interrupted power supply.



Solar Water System



Solar roof top Photo - Voltaic Project

**Transportation**: The AVCOE owns three buses for communicating the students to the campus from sangamner town and surrounding villages.



Transportation

**First Aid And Medical Facility:** A separate doctor is appointed for Boys & Girls in the campus. First Aid box is provided in each department. During emergency, the institute has its own ambulance with medical aid in the campus.



Ambulance 24 X 7 Service



**Bank / ATM :** The AVCOE has an extension counter of Shri Bhausaheb Thorat Amrutvahini Sahakari Bank in its main building facilitating the financial transactions of

the engineering students at the campus. The college also has the ATM of Union Bank.



Bhausaheb Thorat Amrutvahini Co-Operative Bank



**ATM** 

## **Alumni Association**

Alumni association was started in AVCOE in 1994. The registration number of association is MH / 788 / 04 / Ahmednagar.

By the end of 2024-25 total members of the association is 11593.

#### **Activities:**

- Provides placements and project assistance to the final year
   UG and PG students.
- \* Enhances the industry Institute interaction.
- \* Monitors the personality development progress.
- Arranges lectures of renowned industrialists and educationists.
- \* The Staff Coordinators and The Committee meets quarterly and alumni meet is arranged annually in the month of February/March. The alumni have a branch in USA. The college remains in touch with the Alumni Association for the smooth functioning of the above mentioned activities.









Alumni Interaction (MILAP) in the academic year 2024-25



# **Distinguished Alumni**



Avinash Kaul-1996 Chief Executive Officer Network 18



Vinit Adarkar-2002 Vice President, Head Mercedes-Benz R&D



Devendra Maral-1999 HOD, Pre-Series & TCCl Volkswagen India



Sanjeev Gupta-1999 Entrepreneur . K. Industries, Thane (W)



Aiit Nehe-1996 General Manager Sanjyot Metal



Sujit Ekhande-1996 India Delivery Centre NCS Group



Hemant Patil-1989 Simmonds Marshall Ltd.



Sukesh Tokshiya-1998 Asso. Director at Cognizant Technology Solutions



Kamlakar Tak-1989 Plant Head Ring Plus Aqua Ltd., Nashik



Prashant Hire-1999 Head - Preseries , New projects SCM Fiat India Automobiles Pvt Ltd.,



CEO at NECON group of Companies



Global Business Leader. Tech Mahindra



Bilingual Sr. Director at



Nilesh Nagarkar-1998

Vice President-Program

Vivek M. Jagtap-2006 Jagtap & Associates, Pune



Mrinmoy Mukherjee-1993 SRT Sport Club, Mumbai



Romulus Dias-1998 Barclays Capital



Abhijit Shinde-2006 DGM Operations



Information Tech.



Aiit Mote-2004



Jai Porje-2006

Vice president BFSI

Winjit South Africa

Rupesh Patil-2008 Senior Consultant



Vinayak Shukre-2004 Director Of Engineering GuruculSoftware, Pune



Balasaheb Sable-2003 Founder & Managing Director Innaovetia Consulting Engineers



Anil Shelar-2008

Dinesh Sable-2003



Ashutosh Sharma-2005

Hemant Kolhe-2005



Col. Sushil Choudhary-1995

GM, Nagarjuna

Sharad Sharma-1990 flow Engineers Pvt. Ltd. Nashik. M/s Janus Auto, New Delhi



Pivush Somani-2002 Founder & CEO ESDS Software Solution



Yogesh Bhaysar - 1996 at PanIIT Alumni Reach for India Foundation (PARFI), Mumbai



Sambhaji Wagh-1992 Schneider Electric



Tribhuvan Watts-1993 Founder Inc. - Project Asha, Vats Brothers Inc North York, Ontario, Canada



Hemant Patil-1999 TATA Consultancy Services Ltd, Mumbai



Javwant Patil-2007 Founder/Owner The Organic Carbon, Pune



Pawan Mathur-1993 Vice President & Head - E&I, TPP Ultratech Cement Limited



Sawant Prashant-2007 Head- Business Dev. Arwade Infrastructure Ltd. Pune

2022

2023

2024

0



Thite Tanaji -2006 Managing Partner Subduction Zone, Pune



Manager-Automation & Technology AACG, Pune



Ghabade Gajanan-2003 Shapoorji Pallonji & Co. Pvt. Ltd. Pune



Gaykar Vaishali-1998 Executive Engineer Maharashtra Jeeven



Kolhe Pravin Shivaji-2004 Executive Engg Grade:1 Govt. of Maharashtra



Gadgil Salil-2004 Manager, Technical Support Krishna Conchem Product Pvt. Ltd,

General Manager -

Plant Operations

Raymond's Group

Company, Nashik



Komatireddy Rajgopal Reddy-1992 Member of Parliament, LokSabha Assembly Member for Munugode Assembly Constituency, Telangana



		the state of the s
Award at National Level (Rankign)	National Level Ranking (Top Engg. College in India)	State Level Ranking (Top Engg. College in Maharashtra)
OUTSTANDING COLLEGES OF EXCELLENCE	21	10
OUTSTANDING COLLEGES OF EXCELLENCE	16	10
OUTSTANDING COLLEGES OF EXCELLENCE	13	08
OUTSTANDING COLLEGES OF EXCELLENCE	06	04

2025 COLLEGES OF EMINENCE		11	04	
		Sr.No.	Ranking Category	Points Rating in %
Ranking S	Standards Made by CSR	1	Leading Super Excellence	More than 80%
,	IIT, NIT, Universities and	2	Super Excellence	70% to 80%
Autonomous colleges etc. of more than 1000+ colleges participate in the Survey during each year)		3	Colleges of Eminence	60% to 70%
		4	Outstanding College of Excell	ence 50% to 60%
		5	College of Excellence	40% to 50%
		6	Promising	Less than 40%



# **Our Major Recruiters**

















































































































Placements: 2022-23 - 601,2023-24 - 802, 2024-25 - 659+

### Proud Alumni Placed at International Level (Japan) through J





TCS Japan (23 LPA) Computer Batch : 2020





LEALA INC (40 LPA)



LEALA INC (20 LPA)



Fujitsu (40 LPA) Electrical





Batch : 2017







(40 LPA) E&TC Batch : 2019



Cognizant (30 LPA) Computer Batch : 2017







Mayuri Shankhpal Honda Motor (40 LPA)

Total 22 Students are Placed in Japan (23 LPA to 70 LPA Package)



# **Career Development Center**

The Career Development Center has State-of-art infrastructure for conducting activities like interviews, special lectures, workshops, group discussions etc. The Career Development Center regularly conducts guidance lectures to the students for competitive exams, interview techniques, personality development etc. The Career Development Center promotes industry institute interactions, organizes industrial trainings and gets sponsored projects from the industry. The basic function of the cell is to interact with the Corporate World for campus placements of Pre-final and Final year students.

- Acts as a nodal point for the placements of final year students.
- Headed by the Training & Placement Officer and supported by the departmental placement coordinators and student representatives.
- Provides a platform for the recruiting organizations and graduating students to get desirable job.

#### **Objectives:**

- 1. To ensure maximum possible placements for students.
- 2. To equip the students with technical skills competencies imbibed with the spirit of professionalism.
- 3. To impart personality development training to the students to face this competitive era.
- 4. To put Amrutvahini College of Engineering, Sangamner on the definite list of all reputed companies of India.

#### **Activities Organized:**

- 1. Value Added Courses-Technical/Non Technical
- 2. Soft Skills Development Programmes
- 3. Industrial Visits
- 4. Entrepreneurship Awareness Camp
- 5. Competitive Exam Cell for MPSC, UPSC, GATE etc
- 6. Industry-Institute Interaction
- 7. Sponsored Projects in the industry
- 8. Expert Lectures and workshops
- 9. In-Plant Training in various industries
- 10. Foreign Language (Garman, Japanese)



Team CDC Faculty Members with Principal Dr. M.A. Venkatesh

#### Facillities available:

 The Career Development Center has a corporate office equipped with 2 Group Discussion Rooms, 5 Personal Interview Cabins, HR Lounge, Skype Interview Cabin, Video Conferencing Facility etc. which is as per Industry standards.

- 2. Two AC conference Halls (seating capacity of 200 each) equipped with DLP presentation & PA system for conducting seminars workshop & pre-placement talk.
- 3 Exclusive 300 Nodes for conducting online aptitude test.
- 4. Ultra modern guest house for the stay of corporate H.R.

#### **Placement Activities:**

- 1. Career Development Center acts as a liaison with the corporate world and believes in maintaining a positive and interactive relationship with the corporate.
- 2. The activities involve facilitating the pre-placement talks and the planning and execution of the Campus Recruitements Program (CRP).
- 3. Assistance to the pre-final year students to undergo vocation in plant training of reputed industries and to take industry sponsored projects that are secured from the industries for the benefit of final year students.
- 4. Correspondence/personal visits to various industries to build and maintain interpersonal relations.
- 5. Other activitis include: Periodic conduction of IQ tests, workshops of personality development, training programmes for students for aptitude tests, group discussion, personal interview, various competitive examinations and guidance for higher education.
- 6. Company specific training programs.











**Career Development Center** 



# **Department of Examination and Evaluation**

The Department of Examination and Evaluation at Amrutvahini College of Engineering is committed to maintaining the highest standards of academic integrity, transparency, and fairness in the conduct of examinations and assessment processes. In alignment with the vision and mission of the institution, the department ensures the timely, efficient, and confidential execution of all examination-related activities in accordance with affiliating university norms and regulatory guidelines. The department strives to uphold the principles of accuracy, accountability, and continuous improvement, thereby fostering a culture of merit and excellence. It aims to create a robust and student-friendly evaluation system that not only assesses academic performance



Faculty member with Principal Dr. M.A. Venkatesh.

comprehensively but also promotes ethical conduct and lifelong learning. Through the integration of digital platforms, standard operating procedures, and well-defined policies, the department ensures credible assessment mechanisms while catering to the evolving academic ecosystem. The Department of Examination and Evaluation functions as a pivotal unit supporting the academic framework of the college and contributes significantly to the holistic development of its students.

#### Course Registration for Examination.

- a. Every student shall be required to register for the course in each semester within the date specified by the DEE.
- b. The students who fail to register within the due date, may be permitted for late registration with permission from the competent authority of the institute within the due period.
- c.A student who has been detained/failed/dropped a particular course, will have to register for that course when it is offered in an odd or even semester. The students must register for the backlog courses along with the regular courses

#### **Examination Objectives**

Department of examination and evaluation has kept in mind the following objectives:

- 1. Ensure Fair and Transparent Evaluation: To establish a fair, unbiased, and transparent assessment process that accurately reflects the knowledge, skills, and competencies acquired by undergraduate engineering students.
- 2. Maintain Academic Integrity: To uphold high standards of academic integrity and discipline by preventing malpractices and ensuring ethical conduct during all phases of the examination process.
- 3. Support Outcome-Based Education (OBE): To align the examination system with the principles of outcome-based education by assessing students' attainment of course outcomes (COs) and program outcomes (POs).
- 4. Encourage Continuous Learning: To promote a continuous and comprehensive evaluation approach that emphasizes regular assessment through internal tests, assignments, projects, and laboratory work alongside final examinations.
- 5. Enable Timely and Accurate Result Processing: To ensure prompt and error-free declaration of results through efficient evaluation and result-processing mechanisms supported by modern digital tools.
- 6. Facilitate Feedback for Academic Improvement: To provide meaningful feedback from examination outcomes that supports curriculum development, teaching-learning process enhancements, and student performance improvement.
- 7. Adapt to Technological Advancements: To integrate ICT-enabled tools and automation in examination processes such as question paper generation, evaluation, and result dissemination for efficiency and reliability.
- 8.Ensure Regulatory Compliance: To adhere to the norms and guidelines prescribed by affiliating universities (e.g., SPPU) and regulatory bodies like AICTE and NAAC in all examination-related activities.
- 9. Promote Student Confidence and Motivation: To foster a positive academic environment where students are motivated to perform with integrity, self-assurance, and academic excellence.

There shall be internal and external evaluations of students to award grades. The assessment of Theory, Practical, Project, Seminar, Internships, etc. shall be conducted to evaluate Graduate Attributes essential to meet the needs of engineering graduates at the National and International level. The institution is having semester-wise examination scheme (two semesters) for every U.G. and P.G. Programs for the courses recommended by the respective Board of Studies (BOS) and approved by the Academic Council. The evaluation of students shall be based on continuous academic performance in a course based on practical's, assignments, seminars, quizzes, Comprehensive Continuous Evaluation (CCE), and End Semester Examination (ESE). Components of the Examination System:



## Placed Student in the Academic Year 2024-2025



**Sudhir Tambe** 



**Ganesh Kawade** 



**Shreyas Thokale** Kukson Electronic



**Parimal Pokharkar** Kukson Electronic



Akshada Bhagwat



**Prathamesh Chutke** 



Kalyani Gadakh Schaeffler India



**Snehal Kachale** Mahindra & Mahindra



Sanskar Gadekar



Gayatri Wakchaure S.J.Contracts



Sanket Khatode



**Nishant Pansare** Planedge Consultans



Shravani Garud Planedge Consultans





Planedge Consultans



Planedge Consultans



Sujata Kagne



Shubham Chavan Tricon Engg.



Abhishek Amale Cognizant



**Soham Panchal** Cognizant



Anuja Pansare



Cognizant



Rajeevkumar Singh Cognizant



**Prathamesh Satpute** Godrej Infotech



**Omkar Naikwadi** Godrej Infotech



Saurabh Dawkhar Godrej Infotech



**Vivek Shelke** Godrej Infotech



Anuia Kadlaa





Vaishnavi Shete Infosys / Techonsy



Pratiksha Baaad





Infosys







Techonsy





Worley





Fins Solution / ABB



Infosys





Yash Navale



Girish Dube



**Gaurav Sahane** 









Pratik Wandhekar



Riya Jadhav



**Atul Kute** 

Gauri Dighe



Tushar Bendre Cognizant



Cognizant



Om Laulkar



Nikhil Varpe



**Vedant Sakore** 

**Chetan Thorat** 









Vaishnavi Patil



khushi Muttha





Rutuja Jadhav



Techonsy



Wemotive / Cognizant

Sanket Dhamale

**Kukson Electronics** 



Sahil Kadam

Cognizant



Priti Khairnar

Savali Diahe

Vaishnavi Kanawade







Infosys





Apurva Varpe Mahindra & Mahindra



Mahindra & Mahindra



Mahindra & Mahindra





Mahindra & Mahindra





Godrej Info Tech



Prasad Khairna









Prachi Rahane









Mugdha Upasani



Global Gourmet



Global Gourmet / Dhumal Metal



Atharva Dighe Global Gourmet



Global Gourmet



Global Gourmet



Indovance



Indovance



Indovance / Force Motors



Indovance / Worley



Vinayak Pande Kirloskar





Shreyash Bidave RA Tech Engg.





Rajeshwari Pawar









Kartik Avhad



Suyog Chaudhari Mahindra





Kitech Technology



Rinex Technologies



Shraddha Gunjal Cognizant



Cognizant







Kukson Electronics



Rutuja Gayke





Aditi Phapale Puby Three









Vishal Deshmukh





Sairai Mandlik







**Omkar Parasur** 





**Bhagirath Jangid** 



**Shubham Gagare** 





Vijay Kandalkar



**Dhruv Mondhe** 



Pratiksha Foke



Akshay Kadhane Force Motors / Mahindra



Sakshi Malunjkar



Aditya Mohite



Kiran Pande



**Omkar Raut** 



**Aniket Shring** 



Manjusha Thorat
Force Motors



Sachin Varpe

**Amrut Meritorious Scholarship (AMS)** 200 of Students 150 118 100 No. 2024-25 2021-2022 2022-23 2023-24

**Rs. 1000/-** per month is given as a scholarship to the students who scores more than 9.5 SGPA for a semester only. The above graph shows the no. of students are selected year wise for **Amrut Meritorious Scholarship** in last four years.





# **Amrut Meritorious Scholarship Achievers**



NAWALE GAYATRI Sem 2 : 9 68 SGPA этриter Engg. 7410574545



Sem 2 : 9 77 SGPA



SONAWANE SNEHAL SHEWALE SARTHAK



SONULE SAYALI Computer Engg. 9922665833



NIRMAL AYUSH Sem 2 : 9.86 SGPA omputer Engg. 9067458022



Sem 1: 9.86 SGPA Sem 2: 9.73 SGPA 9881856121



CHAVAN KABIR 9665355944



SHINDE SAMIKSHA Mechanical Engg. 9923726661



KANAWADE YASH Sem 1: 9.73 SGPA Sem 2: 9.86 SGPA omputer Engg 8767476439



SALUNKE SRUSHTI DHERANGE RAJLAXMI Sem 1: 9.86 SGPA Sem 2: 9.86 SGPA 9623491721



Sem 1: 9.73 SGPA F&CF 9763029703



MALWADE SANIKA Sem 1: 10 SGPA Sem2 : 9 86 SGPA



SHELKE SHARAD Sem 2: 9.59 SGPA Computer Enga 8379004428



**DUBE SUHANI** Sem 1 : 10 SGPA Sem 2 : 9.68 SGPA Computer Engg. 9834481322



Sem 1: 9.59 SGPA Sem 2: 9.86 SGPA



PATARE RUPESH Sem 1 : 9.59 SGPA Sem 2 : 9.5 SGPA 9209135823



SHINDE SAKSHI Sem 1: 9.59 SGPA Sem 2: 9.55 SGPA



KAKAD PRASAD Sem 1: 10 SGPA Sem 2: 9.91 SGPA



DANGE SAMARTH CHAUDHARI AVANTIKA Sem 2 : 9.95 SGPA E&TC 9370566850



Sem 2: 9.59 SGPA E&CE 9822648189



KAWADE SHRUTI Sem 1: 10 SGPA Sem 2: 9.95 SGPA Information Technology 9657028272



KARDILE PRATIK AI&DS 9322192457



LAWARE SAKSHI Sem 1 : 9.86 SGPA Sem 2 : 9.86 SGPA 9881965122



DHERANGE UDAY Sem 1 : 9.82 SGPA Sem 2 : 9.55 SGPA 7745849471



EKHANDE YASH E&TC 7972547027



Sem 1: 9.86 SGPA Sem 2: 9.77 SGPA 9922461916



TASKAR SANIKA PHATANGARE KARTIK A&R Engg. 8010784035



KHEMNAR TEJAL Sem 2: 9.5 SGPA Electrical Engg 8459830542



PATIL YASHRAJ Sem 2: 9.59 SGPA 9307468093



JADHAV OM Information Technology 9028180919



SHELKE ISHWARI Sem 1 : 9.55 SGPA Sem 2 : 9.73 SGPA 9689543852



SATPUTE SRUSHTI Information Technology 9763562496



**MANDILKAR TEJAS** Sem 2: 9.86 SGPA 9075599745



PATIL PARAG Sem 1: 9.73 SGPA Sem 2: 9.55 SGPA 7020655359



**SURVE TANUJA** Sem 2: 9.64 SGPA Computer Engg. 9623795447



**BADAKH MANASWI** Sem 2 : 10 SGPA 9665549591



PANSARE KARTIKI Sem 2: 10 SGPA 8459628202



KHEMNAR RUTUJA Sem 2 : 10 SGPA Computer Engg 9011723682



UNDE ADITYA Sem 2 : 9.55 SGPA 8830837528



PATIL DIKSHA Information Technology 9552441004



**ABHANG SAI** Computer Engg.



AWARI ATHARV Sem 1: 9.5 SGPA Information Technology 9822820546



LAGAD PRATIK Information Technology 8390877051



Sem 2 : 9.68 SGPA 9975641628



KHEMNAR SAILEE Sem 2: 9.5 SGPA Civil Engg. 8275268840



BHAGAT SNEHAL Sem 1: 9.68 SGPA Computer Engg. 9921755497



MATADE VAISHNAVI Computer Engg. 9822087636



MADHVAI ADITYA Sem 1: 9.73 SGPA Sem 2: 9.86 SGPA Information Technology 7499433449



GITE MAHESH Sem 1: 9.55 SGPA Computer Engg. 7387385911

E&TC

8766747847



KAWADE TANUJA Sem 1: 9.86 SGPA Sem 2: 9.82 SGPA Information Technology 9763531373



KADU KIRTI Sem 1: 9.86 SGPA Sem 2: 9.77 SGPA Computer Engg. 9011021654



**DHAKNE ISHWAR** Sem 1: 9.59 SGPA E&TC 9309862856



Sem 1: 9.59 SGPA Sem 2: 9.77 SGPA Mechanical Engg. 7219879056



SONAWANE SUMIT GAWARE RUTUJA Sem 2: 9.5 SGPA Information Technology 9730013273



KALE SHRINATH Sem 1: 9.59 SGPA Sem 2: 9.68 SGPA Information Technology 9284651290



KHAIRNAR SHUBHAM GANDOLE VARSHA Sem 1: 9.86 SGPA Sem 2: 9.77 SGPA Computer Enga 9730886169



Sem 1: 10 SGPA Sem 2: 9.73 SGPA

9922171104

THOSAR ANKITA



SUPEKAR ARYAN Information Technology 9322474789



AMBEKAR AKSHAD SALUNKE GEETA Computer Engg 9309389450



Sem 2 : 9.68 SGPA Information Technology 9529371253



**CHAVAN ANIKET** Information Technology 9552516935



PATARE GAURAV Sem 1: 9.59 SGPA Sem 2: 9.68 SGPA A&R Engg. 9322341112



## **Procedure For Institute Level Admission**

### First year:

Candidate should be an Indian National and should have passed the HSC (Std. XII) examination of Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination with subjects English, Physics, Mathematics and Chemistry/Biotechnology/Biology/Technical Vocational subject

#### and

Secured minimum 45% maris (minimum 40% marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only) in the subjects Physics, Mathematics and Chemistry/Biotechnology/Biology/Technical Vocational subject added together.

#### and

Must have positive score in MHT-CET-2025/JEE Main 2025

### **Direct Second Year:**

All those who hold the diploma from MSBTE (Maharastra State Board of Technical Education) or equivalent with minimum 45% marks are eligible for Direct Second year admission. The rules declared /changed /modified by the Competent Authority for Direct Second year Engineering Admissions shall be binding on all candidates.

### Admissions in Institutional Quota and vacant seats after CAP:

- (a) Admissions shall be made in a transparent manner after the CAP Rounds and strictly as per the Inter-Se-Merit of the candidates who have applied to the Competent Authority for verification of documents and then to the Institution.
- (b) Information brochure or prospectus of the Institution which specifies rules of admission should be published well before the commencement of the process of admission. All the information in the brochures should also be displayed on the website of the Institution.
- (c) Institution shall invite applications till date of allotment of final CAP Round by notifying schedule of admission and the number of seats in each course to be filled by the institution, by advertisement on the website of the institution.
- (d) Aspiring candidates fulfilling the eligibility criteria as notified by the Government and specified by the appropriate authority, from time to time, shall apply to the Information Brochure for Admission to Under Graduate and Post Graduate Technical Courses (2025-26) respective institution for admission at the Institution level as provided in clause (b) of subrule (4) of rule 3 and shall be filled on the basis of Inter-Se-Merit prepared by following the procedure specified in sub-rule(3) of rule 8 of these rules. Provided that, in case a candidate is unable to submit the application directly to the concerned institution for any reason, the candidate shall have the opportunity to apply through the website of the Competent Authority till the date of allotment of final CAP Round. These applications will be forwarded



- to the respective institutions after the allotment process of CAP Round IV. The concerned institution shall consider such applications while preparing the inter-se-merit.
- (e) The Institution after verification of all required documents shall prepare and display the Inter-Se-Merit lists of the candidates to be filled in at the Institution level, in the Institutional Quota and Supernumerary Quota of OCI or PIO, Foreign National, Children's of Indian workers in Gulf Countries along with the vacant seats after CAP, on the notice board and shall publish the same on the website of the Institution.
- (f) The Minority or Non-Minority institution intending to surrender the Institutional Quota (in part or full) of specified courses to the CAP shall communicate two days before the display of seat matrix of CAP Round I and the same shall be allotted as per the rules of CAP. The Institutes shall not be allowed to surrender Institutional quota seats thereafter.
- (g) All the admissions and cancellations shall be updated immediately through online system.
- (h) If any CAP seat remains or becomes vacant after the CAP Rounds, then the same shall be filled in by the candidate from the same category for which it was earmarked during the CAP. Further if the seats remain vacant then the seats shall be filled on the basis of Inter-Se-Merit of the applicants.
- (i) While filling these seats, the preference shall be given to the Maharashtra State Candidature Candidate over All India Candidature Candidate on the basis of InterSe-Merit.
- (j) After exhausting the Maharashtra State Candidature Candidate and All India Candidature Candidate, if any seat remain vacant in the sanctioned intake then these seats may be filled with NRI, Foreign Students (FS), Overseas Citizen of India (OCI), Persons of Indian Origin (PIO), Children of Indian Workers in the Gulf Countries (CIWGC) Candidature Candidates, if the Institute has secured prior approval from appropriate authority for these seats.

#### Fees:

Fees is charged as fixed by FRA (Fee Regulatory Authority) (The committee established by the State Government for this purpose).

### **Refund of Fees After Cancellation of Admission:**

The candidate who have been admitted after payment of full fees, may cancel admission by submitting an application and may request for refund of fees. The refund of fees will be as per the rules of Directorate of Technical Education (DTE), Mumbai.

Information for the admissions in Institutional Quota and vacant seats after CAP will be displayed on the website of the Institution.



We are happy to inform all stakeholders that our college is now

# AN AUTONOMOUS INSTITUTE

(With effective from First Year, Academic Year 2025-26)

Approved by University Grant Commission (UGC, New Delhi)

Permanently Affiliated to Savitribai Phule Pune University (SPPU)

### **Autonomy Features**

- 1. Students will be awarded a B.Tech (Bachelor of Technology) degree by Savitribai Phule Pune University henceforth.
- 2. Industry technocrats, educational experts, entrepreneurs, and industry—institute interaction will lead to anupdated curriculum every year, providing academic freedom in teaching and learning
- 3. Students will gain interdisciplinary knowledge and skills.
- 4. Students will be groomed to develop the skills necessary to become entrepreneurs, innovators, and start-up founders.
- 5. Enhanced interaction with industries will lead to an increase in the number of internships, sponsored projects, industrial visits, and on-the-job training programs.
- A regularly revised, internationally aligned curriculum will produce graduates capable of accepting and facing global challenges, leading to better career opportunities.
- 7. The institute has incorporated the National Education Policy (NEP-2020) guidelines into its autonomous curriculum.
- 8. The 'Amrutvahini Brand' created among the stake holders.
- 9. Japanese and German languages have been introduced into the curriculum, facilitating global placements.

## B. Tech | M. Tech | MBA | Ph.D Programs

B. Tech	DTE Code	Intake
Artificial Intelligence & Data Science	516299510	120
Civil	516219110	120
Computer	516224510	120
Electrical	516229310	120
Electronics & Computer	516284410	120
E&TC	516237210	120
Information Technology	516224610	120
Mechanical	516261210	120
Automation & Robotics	516291610	60

M. Tech	DTE Code	Intake
Civil (Structure)	516219110	06
Computer	516224510	06
Mechanical (Design)	516261210	06

MBA (DTE Code : MB5162)

Master in Business Administration 516210110 60

#### Ph.D

- Civil Engineering

- Computer Engineering

- Mechanical Engineering



Amrut Meritorious Scholarship for Academic Excellence
 Cybage Khusboo, Umang & Cummins Scholarship along with Government Scholarship

Contact: 8669620001 | (02425) 259096/259017/259018 | principal@avcoe.org | www.avcoe.org

'अमृतवाहिनी'च्या विद्यार्थ्यांना नोकरी

बहुराष्ट्रीय कंपन्यांमध्ये उत्तम वेतनाची संधी











## अमृतवाहिनी अभियांत्रिकी महाविद्यालयास 'ऑटोनॉमस'ची मान्यता



जैनता<sup>7</sup> आवाज

इंजिनिअरिंगच्या ५३ विद्यार्थ्यांची नोकरीसाठी निवड



## अमृतवाहिनी अभियांत्रिकी 'ऑटोनॉमस'

### दहा वर्षांसाठी स्वायत्त दर्जा; विद्यार्थ्यांसाठी नवे संधीद्वार खुले

# करते श्रीव स्थानीर । जहाराष्ट्रभा पुत्रवर्तनुस्ता राज्य दर्शाचे आणि विद्यार्थ्याच्या तथ्, ब्रीवास्थे सुन्त तिस्रवास्त्रीता आणि मृत्य विश्वणायिता सामञ्जूषे विशेष प्रयस्त काणां अप्रसाद अमुस्काहिनी

प्रश्निकार व्यक्तित होतीन अपर्थित विवास तिमासार्थित अपर्थित विवास कर्मात्रिकार कर्मात्रिकार विवास कर्मात्रिकार कर्मात्रि

## नवराष्ट्र

उपक्रम • आरबङ्याचा लघुकालीन कार्यक्रम, जलस्रोताचे केले ऑटिमायझेशन मंडिल, मुलांनाही होणार लाम

## अमृतवाहिनीत जलसंपत्ती नियोजन प्रशिक्षण भंडारवरा धरण परिवासन घेतली औद्योणिक भेट



विषयावर व्याख्यान

अमृत्यहिणीयं उपक्रम कीत्वास्पर अध्यक्ष्म कीत्वास्पर अध्यक्ष्म कीत्वास्पर अध्यक्षित व्यक्ति स्वता अध्यक्ष ते कि ते त्यक्ति स्वता ते व्यक्ति स्वता कि स्वता कीत्वास्य के स्वता की कीत्वास्पर्ध कीत्वास्य के स्वता की कीत्वास्पर्ध कार्यक्ष व्यक्ति

### इ अमृतवाहिनी अभियांत्रिकी महाविद्यालय देशातील नामांकित शिक्षणसंस्था' - श्री. कुलकर्णी

# नवराष्ट्र

#### अमृतवाहिनी महाविद्यालय हॅकॅथॉनमध्ये विजयी



## अमृतवाहिनी अभियांत्रिकीमध्ये राष्ट्रीय हॅळेथॉन टेक प्रग्यानचे आयोजन











































# Amrutvahini College of Engineering Location Map of College









### The College campus is located

- 5 kms from Sangamner town towards Nasik National Highway.
- 60 kms from Nashik City (Bus)
- 40 kms from Shirdi (Shrine of Shri Saibaba), 30 kms from Shirdi Airport
- 150 kms from Pune (Bus)
- 250 kms from Mumbai (Bus)
- 56 kms from Nashik Road Railway Station, Nashik Airport (Bus)
- 90 kms from Manmad Railway Station (Bus)



# **Amrutvahini College of Engineering**

- Amrutnagar 422608, Sangamner, Dist. Ahmednagar (Maharashtra-India)
- Tel. (02425) 259096/16/17/18, 259148 (P)