



Pimpri Chinchwad Education Trust's

Pimpri Chinchwad
College of Engineering &
Research



Department of Mechanical Engineering

E-MAGAZINE

Academic Year: 2025-2026

Sem-2

DIVE INTO THE TREASURE OF ART AND ACADEMICS.

ABOUT TRUST

Pimpri Chinchwad Education Trust (PCET) was established in 1990 by visionary Late. Shri. Shankarrao B. Patil, Late. Smt. Lilatai Shankarrao Patil, Shri. Dnyaneswar P. Landage, Shri. Vitthal S. Kalbhor, Shri. Shantaram D. Garade, Late. Shri. Bhaijan Kazi with an idea of providing quality education from K.G. to P.G. Its sole mission was aimed at serving society, the industry and all stakeholders through value-inculcating, quality education in the area of schooling, as well as professional tutelage in the fields of engineering, management and computer applications.

PCET has always been committed to its mission by creating, communicating, preserving and applying knowledge, art and academic values.

At the campus at Akurdi, Pune, near 7,200 students are being groomed in specialised courses like Engineering, MBA, MCA & PGDM by professional and passionate instructors. The campuses at Ravet are school to 1,200 would-be graduates at the College of Engineering, around 800 pupils at the Junior College, and approximately 2,500 students at the Public School, all amounting to a total of 11,700-odd students

Our Inspiration



Late shri. Shankarrao B Patil
Founder President
Pimpri Chincwad Education Trust



Late Smt Lilatai Shankarrao Patil
Ex President
Pimpri Chincwad Education Trust

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Dr. Girish Desai
Executive Director, PCET

Principal's Desk



At the very outset, I extend a very warm welcome to all of you! It is indeed an honor and pleasure as the principal, to introduce you to Pimpri Chinchwad Education Trust's (PCET's) Pimpri Chinchwad College of Engineering & Research (PCCOER). Established in the year 2014, PCCOER has made an incredible progress in academics, research and placements in a very short period of time and has made its presence felt vividly in the educational circles of not only the University but of the entire State. I attribute this remarkable success to the tremendous efforts of faculty and students of the Institute and to the strong and continuous guidance, motivation and support from PCET.

Young friends, India today stands as the world's third largest economic power, its economy growing at around 8%. Indian entrepreneurs are emerging as global entrepreneurs. Indians are increasingly appearing in the list of the richest persons in the world. India's knowledge, skills and man-power are making India a

preferred destination for outsourcing service needs. India is fast emerging as a hub for world class R&D and Innovation Centers. These are the signs of a brighter tomorrow for India and its citizens. You must, therefore, be highly excited to make your own contributions to the growth and development of your dream India.

As an Engineering Institute, we are committed to contribute to the overall growth of the Nation by providing Outcome Based Education (OBE) to our students. We, at PCCOER, endeavor for an overall development in you, while academic excellence remains to be our strong fort. The spectrum of social, cultural, co-curricular and extra-curricular events at PCCOER is as intellectually stimulating, as is overwhelming! We do not turn you into book-worms or scholarly puppets but into competent professionals and genuine humans. At PCCOER, we have a tradition of nurturing leadership qualities, along with developing abilities to comprehend the state of art technologies. This we do by inspiring you to partake in a whole lot of innovative projects, being pursued by the inspired student's community, under the guidance of their faculty mentors. We let you empower yourself with the Wings of Knowledge and Power of Innovation. We imbibe in you a positive attitude and proactive thinking, a caring concern for humanity and nature and above all, an eagerness to serve and excel in your chosen domain. You come here with a passion; we convert that passion into your profession. Life in PCCOER and I am sure that you will enhance the pride and prestige of this illustrious Institution by giving your best and achieving your best! And my dear faculty and students members, we together have to play our role in Nation building by contributing wholeheartedly towards academics, research and innovation, a gigantic task which, I am observing, you are succeeding in competently, skillfully and effortlessly.

Prof. Dr. Harish U. Tiwari,
ME (IITR), PhD. (Mech),
Principal,
PCCOE&R, Ravet, Pune.

HOD's Desk



A hearty welcome to the Department of Mechanical Engineering at Pimpri Chinchwad College of Engineering and Research (PCCOE&R), Ravet, Pune.. The department's vision is to be a premier department of Mechanical Engineering and research to serve the needs of the society and all the stakeholders. The Department is student centric and focused for overall development of students in the context of new emerging trends in the market and making the students competitive and strongly equipped with the various technical and professional skills. Different programs like Industrial Training program, Aptitude Training Program, SAE BAJA, SUPRA, TIFAN and Go-Cart activities are planned to equip the students to enhance their technical and professional competence and make them more industry oriented and employable.

The placements in the department are one of the best in the PCMC area. The Industry sponsored laboratories, Internships, experts sessions, Industry sponsored projects, communication skills and soft skills sessions, foreign languages, add on

and value added courses are designed and executed so that students are not only market ready but also well trained for higher studies, entrepreneurship and startups. The department provides much needed support to the students' projects having potential for innovation and startups as well as innovations and startups having innovative ideas. We have been able to create quite a good number of startups and entrepreneurs and have been able to build a very good ecosystem.

The department is a leader in the area of IPR viz. Patents and copyrights. More than 100 patents and 75 copyrights have been led in the department out of which two patents have also been granted in the department. The department has modern and well-equipped laboratories for practical training to its students. All the faculty members are well qualified and experienced. We are committed to the pursuit of excellence. It is our goal to address the varying needs of our young students academically, socially, emotionally and by doing so, provide the highest quality educational experience to all and therefore PCCOE&R is one of the best Mechanical engineering colleges. The department has strong association with different professional bodies like ISTE (The Indian Society for Technical). Education, QCFI (Quality Circle Forum of India) ASME (The American Society Of Mechanical Engineers.), VLSI, SAE (Society of Automotive Engineers) and the department also has its own student council named as Mechanical Engineering Student Association (MESA). MESA provides a platform to the departmental students to showcase their technical, social and sports skills in inter-departmental as well as inter-college competitions.

On the closing note, it could be cited that - "Destiny is not a matter of chance, it is a matter of choice; it is not a thing to be waited for, it is a thing to be achieved".

Prof. Dr. Gulab D. Shiraskar,
Associate Professor & Head,
Department of Mechanical Engineering,
PCCOER, Ravet, Pune.

About the Department

Mechanical engineering is one of the broadest engineering disciplines. Mechanical engineers design, develop, build and test. They deal with anything that moves, from components to machines to the human body. Mechanical engineering combines creativity, knowledge and analytical tools to complete the difficult tasks of shaping an idea into reality. Mechanical engineers can look for employment in diverse areas, including manufacturing, aerospace, automotive, biomedical, chemical, computer, communications, nanotechnology, power-generation industries, engineering consultancies, energy utilities. government agencies etc.

A Mechanical Engineer can also pursue his/her carrier in the public sector through competitive exams like UPSC, MPSC, IES. They can have placements in various public sector undertakings like Navratna and Maharatna by scoring excellently in GATE. They are having good placement opportunities in National and Multi-National companies by perusing ME/M.Tech/MS in India and abroad. They can also become job providers themselves by turning into entrepreneurs and starting own startups.

The Mechanical Engineering Department at PCCOER has been established in the year 2014 and since then, has progressed steadily towards excellence. The Department works on Outcome Based Philosophy (OBE), wherein the complete focus of the department is to prepare the students in such a way that he/she is oriented towards acquiring knowledge, skills, hands on training and ICT techniques by using various teaching pedagogies, which will lead them toward better placements, higher education and entrepreneurships. The audits of all these initiatives are conducted on a regular basis and its execution is checked to ensure that students are getting really benefited through the process.

The department runs a UG programme in Mechanical Engineering, which is a 4 years, 8 semester's full time programme. The department has an adequate number of faculty members and supporting staff, who are well qualified, experienced and dedicated. The department has well equipped 16 no. of

state-of-the-art laboratories, spacious classrooms, drawing hall, project and innovation center. The department provides the students with a strong fundamental, scientific and technical knowledge-base, multidisciplinary approach and critical thinking skills which serve as the foundation for lifelong learning in Mechanical Engineering. The department motivates and supports the students for Industry Sponsored Projects and Industrial Training so that they are well acquainted with the industrial problems and its solutions to be better prepared for the industries. The department also emphasizes on inculcating, professionalism, ethics and true attitude in the students. It also puts more efforts on strengthening communication skills, team work and social awareness among the students.

Magazine Coordinators:



Prof. Deepak Biradar
Faculty Co-ordinator



Anup Kulkarni
Editor



Aayush Patil
Editor

★ Vision of the Department:

To be a Premier Department of Mechanical Engineering and research to serve the needs of the society and all the stakeholders.

★ Mission of the Department:

M1: To provide state of art facilities to impart quality education.

M2: To undertake various value added and add on courses to make students technically sound and thorough professionals.

M3: To collaborate with the industries and academia and strive to transform the research and innovative aptitude in the students and faculties.

M4: To inculcate high moral, ethical values and national pride in students and faculties.

★ Programme Educational Objectives of the Department

PEO1: To develop well sound students in academic fundamentals to understand, analyze and solve problems related to Mechanical Engineering.

PEO2: To meet the employer's requirements at large and prepare them towards quality higher education and entrepreneurship

PEO3: To build up student's ability to enhance their competence in research and innovation to design product and process

PEO4: To create awareness amid the students about professional ethics, managerial skills, social commitment and lifelong learning.

★ Programme Specific Outcomes of the Department

PSO1: Develop the knowledge and skills relevant to the eld of robotics and automation by undergoing hands-on training.

PSO2: Develop and implement new ideas on product design and development with the help of modern computer aided tools, while ensuring best manufacturing practices.

EOMS Policy

We, at PCCOE&R, are committed to:

- Develop as a premier institute of technical education & research as per the needs and expectations of all stakeholders.
- Comply with all applicable requirements.
- Continual improvement in educational, technical and scientific development, infrastructure and management system.
- Social responsibility
- Managing intellectual property

We shall strive to maintain an environment conducive to learning and student's overall development with high moral and ethical values.

List of Teaching Staff

Sr. No.	Name of the Faculty	Designation	University Degree	Experience (Yrs.)	Area of Specialization
01	Dr. Gulab Dattrao Siraskar	Associate Professor	Ph.D.	25	Heat Power
02	Dr. Ramesh Kishanrao Rathod	Associate Professor	Ph.D.	27	Thermal Engg
03	Dr. Sham Harikrushna Mankar	Associate Professor	Ph.D	24	Mech. Engg.
04	Dr. Rahul Krishnaji Bawane	Assistant Professor	Ph.D.	17	Heat Power
05	Dr Ms. Rupali Manoj Patil	Assistant Professor	Ph.D.	07	Heat Power
06	Mr. Deepak Devidas Biradar	Assistant Professor	ME/MTech PhD perusing	17	Heat Power
07	Ms. Jayashri Vitthal Chopade	Assistant Professor	ME/MTech PhD perusing	14	CAD/CAM
08	Mr. Sukhadip Mhankali Chougule	Assistant Professor	ME/MTech PhD perusing	10.6	Design
09	Mr. Achyut Digambar Khare	Assistant Professor	ME/MTech PhD perusing	33	CAD/CAM
10	Mr. Ganesh Mahadev Fodase	Assistant Professor	ME/MTech PhD perusing	14	Design

11	Mr. Sanjay Mallikarjun Narayankar	Assistant Professor	ME/MTech PhD perusing	17	Design
12	Mr. Prashant R. Mahale	Assistant Professor	ME/MTech	21	Design
13	Mr. CHAUDHARI SUJIT BADASHAHA	Assistant Professor	ME/MTech PhD perusing	11	Design

Teaching Staff Summary

TEACHING FACULTY DETAILS		
Designation	Qualification	No. of Faculty
Associate Professor	Ph. D.	03
Assistant Professor	Ph.D.	02
	Ph. D. (Pursuing)	07
Assistant Professor	M E	01
Adjunct Faculties		01

SAE India eBAJA (Team Nashorns) PROGRAM



Pimpri Chinchwad Education Trust's Pimpri Chinchwad College of Engineering & Research, Ravet, Pune.



Congratulations
TEAM NASHORNS,



Faculty Coordinator
Prof. Sukhadip Chougule
& Prof. Sujit Chaudhari



HOD Mechanical
Dr. Gulab Siraskar



Director
Prof. Dr. Harish Tiwari

**Team Nashorns delighted to share that our team
has secured the following awards at the
SAE eBAJA 2026 event**

Overall AIR 1 in EBAJA Event

1st in Overall Physical Dynamics Dynamics

1st in Acceleration Event

1st in Suspension and Traction Event

1st in Sustainability Event

1st in Durability Event

3rd in Overall Static Event

3rd in Maneuverability Event

3rd in CAE Event

4th In Mathwork Electric Powertrain

Simulation Challenge

Best Debutant Award

Thank You for your support and motivation

Prof. Sukhadip Chougule (Faculty Coordinator)



Total prices Rs.3,60,000/-

महाईन्यूज

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पीसीसीओईआर 'एसएई इंडिया ई-बाहा २०२६' राष्ट्रीय स्पर्धेत प्रथम

। पुणे । प्रतिनिधी । महाईन्यूज

सोसायटी ऑफ ऑटोमोटिव्ह इंजिनियर्स या संस्थेने पीथमपुर येथील "एसएई इंडिया ई - बाहा २०२६" या राष्ट्रीय स्पर्धेत पिंपरी चिंचवड एज्युकेशन ट्रस्टच्या (पीसीईटी) रावेत येथील पिंपरी चिंचवड कॉलेज ऑफ इंजीनियरिंग अँड रिसर्च च्या (पीसीसीओईआर) मेकॅनिकल विभागातील "टीम नॅशोर्न्स" ने दैदीप्यमान कामगिरी करीत एकूण ११ पदकांसह तीन लाख साठ हजार रुपयांचे पारितोषिक मिळवून देशात प्रथम क्रमांक पटकावला. या स्पर्धेत देशभरातून शंभरपेक्षा अधिक अभियांत्रिकी महाविद्यालयांनी भाग घेतला होता.

या स्पर्धेत देशभरातून शंभरपेक्षा अधिक अभियांत्रिकी महाविद्यालयांनी भाग घेतला होता.

पीसीसीओईआर च्या टीम नॅशोर्न्स ने टिकाऊपणा, उत्कृष्टता, समग्र भौतिक गतिमान, निलंबन व संकर्षण अशा विविध विभागात



प्रथम क्रमांक आणि स्टॅटिक, बौद्धिक, सीएड या विभागांमध्ये तृतीय क्रमांक तसेच सर्वोत्कृष्ट पदार्पण पुरस्कार प्राप्त केला. पीसीसीओईआरच्या विद्यार्थ्यांनी या राष्ट्रीय स्पर्धेत पदार्पणातच राष्ट्रीय पातळीवरील प्रथम क्रमांक पटकावून महाविद्यालयाच्या शिरपेचात मानाचा तुरा रोवला आहे.

या टीम मधील सर्व विद्यार्थी, त्यांचे मार्गदर्शक, प्राचार्य, समन्वयक यांनी एकत्रित पणे केलेले प्रयत्न आणि पीसीईटीच्या व्यवस्थापनाने उपलब्ध करून दिलेल्या पायाभूत सुविधांमुळे हा सुवर्ण क्षण पहायला मिळाला आहे असे गौरवउद्गार पीसीईटीचे अध्यक्ष ज्ञानेश्वर लडगे यांनी यावेळी काढले.

पीसीसीओईआर मधील विद्यार्थी कर्णधार सौरभ पाटील, उपकर्णधार महेंद्र कुंभार, चालक साजिद मुलानी, पृथ्वीराज पाटील, अखिलेश वंजपेय, देवेन्द्र पाटील, अंकन शेजवळ, धीरज पाटील, ऑस्टिन जॉर्ज, हेमंत पाटील, पार्थ पांटेकर, जय पगारे, रश्मीत गोयल, श्रीकृष्णा माने, विश्वजीत पाटील,

प्रणव कांबळे, विश्वजीत कोल्हे, दिशांत पिंपरे, श्रीरंग नायर, सोहम शेलार, आयुष पाटील, समरजीत तानपुरे, आदित्य माने, आणि ओम बडे या विद्यार्थ्यांनी यामध्ये सहभाग घेतला होता. प्राचार्य डॉ. हरीश तिवारी, विभाग प्रमुख डॉ. गुलाब सिरसकर, प्रा. सुखदीप चौगुले, सुजित चौधरी यांनी मार्गदर्शन केले.


पिंपरी चिंचवड एज्युकेशन ट्रस्टचे अध्यक्ष ज्ञानेश्वर लांडगे, उपाध्यक्ष पद्माताई भोसले, सचिव विठ्ठल काळभोर, खजिनदार शांताराम गराडे, विश्वस्त हर्षवर्धन पाटील, उद्योजक नरेंद्र लांडगे, अजिंक्य काळभोर, कार्यकारी संचालक डॉ. गिरीश देसाई, पीसीसीओईआर चे संचालक प्राचार्य डॉ. हरीश तिवारी यांनी विद्यार्थ्यांचे अभिनंदन करून शुभेच्छा दिल्या.




IIT Mumbai, 6 students completed internship



Placements of BE Students
















Pimprichinchwad Education Trust's
Pimprichinchwad College Of Engineering and Research ,Ravet,Pune



Mechanical Department Placement For AY 2025-26

Placement In Core Mechanical Industries

							
Akanksha Lande JSW 5.5LPA	Saurabh Kiran Patil JSW 5.5LPA	Omkar Shejwal JSW 5.5LPA	Mahendra Kumbhar JSW 5.5LPA	Sujay Bhelekar Rexnord 6.5LPA	Pranav Patil Thermax Ltd.Pune 5 LPA	Yadnyee Lanjewar Capgemini 4.25 LPA	Vedashri Badule Emerson 5.5 LPA
							
Ajay Patil Capgemini 5.5LPA	Shreya Patil Cyneryl 5 LPA	Harshal Waman Essem industries 3.5LPA	Prasad Wavhal Essem industries 4 LPA	Pratik Gore Essem industries 4LPA			

SAE INDIA TIFAN PROGRAM



Intercollege Technovate 3D Printing Competition



Engineers Day -RC Car Event by M.E.S.A



4 Day Industrial Training on DS & AIML



Winner of Tug of war boys Kurukshetra Sports



Winner of Kabbadi boys Kurukshetra Sports



Winner of Badminton Boys Kurukshetra Sports



Representative of Job Fare in PCCOE, Akurdi



Session on Data Analytics by Alumni



Flameless Indoor Hot Air Balloon Workshop-cum-Competition



BE Farewell by M.S.E.A.



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