



Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering
 (An Autonomous Institute approved by AICTE & affiliated to SPPU,Pune)



PCCoE is Consistently Ranked among Top Engineering Colleges in India

Agency	All India Ranking	Year
NIRF 2020	197	2020
Times Engineering Survey	21	2020
India Today Survey	80	2020
NIRF 2019	192	2019
Data Quest Survey	7	2019
Times Engineering Survey	25	2019
Outlook Survey	28	2019
India Today Survey	69	2019
NIRF 2018	150-200	2018
Times Engineering Survey	30	2018
Data Quest Survey	3	2018
Outlook Survey	41	2018

Major Recruiters

Each year more than 200 companies visit for Campus Placement



M. Tech Design Engineering
Brochure 2020-21

Contact Details for Admission Enquiry

Dr.Pravin R Kale : 9011085735

Prof. Amit A Panchwadkar : 8149450061

Prof. Sanjay B Matekar: 9422365805

Email: pccoadmin@gmail.com



Why a PG Course?

A Master's degree adds value to your education. If you're looking to uplift your career prospects after graduation, change track to follow a new career path or make sure you get ahead of the competition in a challenging job market, a postgraduate course can help you achieve your goals. Our programs allow you to gain the skills, knowledge and expertise you need to show up among the crowd

Program Highlights

- Paid Industrial Internships
- Mentorship by Industry Experts
- GATE scholarship to eligible students
- Funding by institute for Research Project
- Training in Emerging fields
 - Authorized certification center of Dassault systems 3D Experience platform
 - Robotics and Automation
- Have an idea? We help you start-up
- Shift your career into research
- Aptitude training for placement



Program Overview

The Master's program in Design Engineering prepares its graduates to develop critical thinking and acquire competence to evaluate a wide range of potential solutions for engineering problems. The program prepares you with entrepreneurial aptitude to take your idea to the marketplace. We believe in providing state of the art teaching-learning environment which will inspire students to get an education beyond engineering. This is achieved through rigorous teaching process integrated with innovation and research.

Research Domains

- ✦ Noise Vibration and Harshness
- ✦ Composites and Bio-Composites
- ✦ Experimental Stress Analysis
- ✦ Finite Element Analysis
- ✦ Agricultural Equipments
- ✦ Fatigue

Features of New M.Tech Curriculum

- ✦ Blending of Online Teaching and Classroom Delivery
- ✦ Distinguished technical contribution by the students through in-sem activities
- ✦ Care and concern for students through regular counseling
- ✦ Overall development of students through student development activities
- ✦ Career opportunities through Industry Institute Interaction
- ✦ Research guidance by promoting various R&D activities
- ✦ Systematic and timely completion of research projects
- ✦ Involvement of Industry experts for content delivery through expert talks, workshops etc.
- ✦ NPTEL /MOOC/EDX course provision

M. Tech Structure

S. No.	Course	Credits/Semester				
		I	II	III	IV	Credits
	SEM I					
1	Research Methodology-IPR	3	-	-		3
2	Program Core -I	6	6	-		12
3	Program Elective-	6	6	-		12
4	Proficiency Lab	2	2			4
5	Mini Project		3			3
6	Open Elective	2	2			4
7	Dissertation			10	12	22
8	Skill Development Lab	1	1			2
9	Internship			2		2
10	MooC courses				2	2
11	Seminar			2		2
12	Audit course	-		-		
	Total	20	20	14	14	68

Industrial Collaborations

CUMMINS INDIA LTD

KNORR BREMSE

TIFAC, DST, Govt of India

ARAI PUNE

Dassault system

WHIRPOOL INDIA

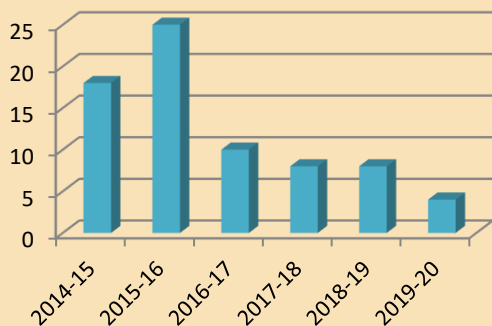
N B Technologies

SKF India

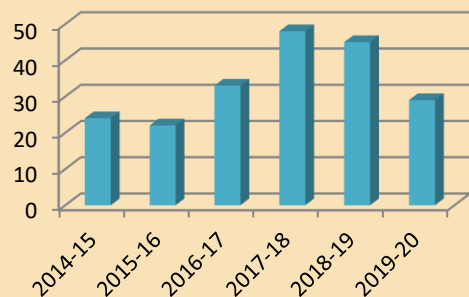
TATA Motors

L&T INFOTECH

Patents and Copyrights applied by Faculty and students



Research publications by faculty in International journals & conferences



Faculty Strength

PhD Faculty

04

Professors

04

Asso. Professors

04

Asst. Professor

04

Research funding received by faculty

S N	Name of the Faculty	Funding Agency	Grant Received/ Sanctioned	Purpose
1	Mr. A. A. Panchwadkar Mr. S. K. Bhoite Mr. L. V. Awadhani	AICTE-MODRO B	9,50,000/-	Modernization of Vibration Lab
2	Dr. S. S. Lakade	TIFAC-DST	13,00,000/-	Projects to help MSME SECTOR INDUSTRIES
3	Dr. S. S. Lakade Mr. S. B. Matekar Mr. R. A. Gujar	3D PLM SOFTWARE Ltd.	11,00,000/-	Setting Product Innovation Lab
4	Mr. L. V. Awadhani Dr. N. R. Deore	AICTE-MODRO B	1255000/-	Modernization of Mechanics of Composites Lab
5	Mr. A. A. Panchwadkar Mr. S. K. Bhoite	BCUD, SPPU	100000/-	CAE of Interacting surface

Associated faculty with Programme

Sr. No.	Name of faculty
1	Dr. P.A. Deshmukh (HOD, MECHANICAL)
2	Dr. S.S. Lakade
3	Dr. N.R. Deore
4	Dr. P.R.Kale (PG COORDINATOR)
5	Mr. A. A. Panchwadkar
6	Mr. S. K. Bhoite
7	Mr. S. B. Matekar
8	Mr. L. V. Awadhani
9	Mr.N.Vivekanandan
10	Mr. R. S. Pimpalkar
11	Mr. I. R. Sathone
12	Mr. A. A. Divekar





Workshops Conducted

- ✦ Online Webinar series on "Noise, Vibration and Harshness".
- ✦ Online Webinar series on "Product Design and Development".
- ✦ Online Webinar series on "Materials, Design and Testing".
- ✦ Guest lecture on recent developments in ISRO by Dr Anant Patki.
- ✦ Two days workshop on COMSOL multi-physics by Mrs Garima Singh.
- ✦ Aptitude and communication skill training by Ronak Shah.
- ✦ Two days workshop on HYPERMESH.
- ✦ Vibration measurement and analysis program by Piyush Bhonde.
- ✦ Workshop on DRDO projects by Dharendra Kumar.
- ✦ HYPERMESH training by Mr. Gajendra Kumar.
- ✦ Expert talk on "Aircraft Design" by Mr. Abhishek Khare".
- ✦ PGCON MECH
- ✦ Two days education program on solar energy conversion.

Industrial Visits

- ✦ Industry GMRT, Khodad
- ✦ Industrial Visit to CDAC Pune
- ✦ Tata Motors Pune

Internship opportunities

- ✦ L & T Infotech
- ✦ Cummins India Ltd
- ✦ Whirlpool India
- ✦ Knorr Bremse
- ✦ Maxion Wheels
- ✦ Tata Motors
- ✦ Divgi Warner TTS
- ✦ SKF India
- ✦ Eterno Energy
- ✦ 3DPLM
- ✦ ARAI Kothrud & Chakan
- ✦ Wilo-Pumps
- ✦ Tifac, MSME

Labs and Facilities

Academic Labs

17

Industry Sponsored Labs

04

Supporting Labs

03

Centralized Labs

02

Industry/Government Funded Labs



Robotics & Automation



Metrology & Quality Control



Product Innovation Lab



Vibration Lab

Research Facilities

- ✦ Dassault Systemes : Product Innovation Lab
- ✦ 3D Experience Certification Centre
- ✦ Catia, Simulia, Dymola, Biovia, Enovia
- ✦ Ansys – Structural 19.2 + CFD (Fluent 19.2, CFX)
- ✦ ADAMS, MSC Nashtran, Hypermesh
- ✦ FFT Analyzer Electro Dynamic Shaker
- ✦ NIA strain gauging/polariscope

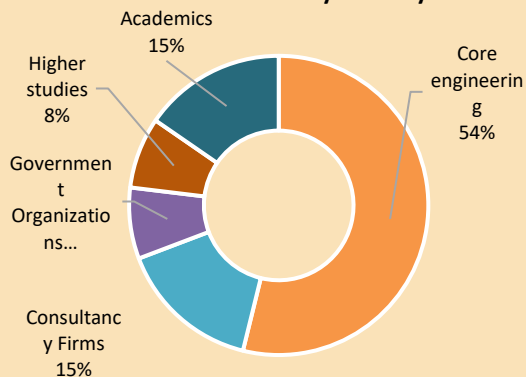


PG Computational Lab

Recent Placements

L & T Infotech
TCS
CAP Gemini
Cummins India Ltd
Whirlpool India
Knorr Bremse
Brose India Automotive
Systems Pvt. Ltd

Placement by Industry




USPs of M.Tech @PCCoE

- ✦ Doctoral faculty with rich domain knowledge and experience
- ✦ Sponsorship for distinguished New Product Development / Research Based Projects.
- ✦ Paid Industrial Internships leading to placement
- ✦ GATE scholarship to eligible students
- ✦ Support to Start-ups through ATAL Incubation Cell
- ✦ Computational lab availability for 24 hours
- ✦ Aptitude sessions for cracking placement interviews
- ✦ Chance to work on Interdisciplinary/Innovative /Industry sponsored projects.
- ✦ Exposure to Add-on courses by Industry Experts

University Toppers

			
Mr. Kalaskar Pratik	Mr. Bhosale Dhanaji	Mrs. Mane Sarika	Ms. Shital Pawar
Branchwise SPPU Rank:04	Branchwise SPPU Rank:06	Branchwise SPPU Rank:07	Branchwise SPPU Rank:09

		
Wable Yogita	Dhakad Bhushan	Joshi Amey
Branchwise SPPU Rank:03	Branchwise SPPU Rank:04	Branchwise SPPU Rank:05

Distinguished Alumni Speak



"PCCOE has a very strict and disciplined environment with excellent teachers who guide us throughout the academic year. We are provided with internship which is converted into fulltime placements. I would like to thank PCCOE for the wonderful experience and making me today who I am".

Chaitali Agale (2015-17 Batch)



"I like the academics in PCCOE specially the faculties, they are experienced, friendly and helpful for us leading to an innovative atmosphere. PCCOE also funds projects and provides with labs having all necessary software's. PCCOE is also very good at the placement guidance. PCCOE has not only given me degree but a potential to explore new world."

Spandan Waghmare (2014-16 Batch)



PCCOE excels in academic studies and standards. It has an innovation lab where students can excel themselves in creating many new projects. Additional facilities like electro-dynamic Shaker and ADAMS software is also provided along with a large central library for students. Apart from this various industries were also initiated for placements and welfare of students

Amey Joshi (2014-16 Batch)

Pimpri Chinchwad College of Engineering

Sector-26, Near Akurdi Railway Station
Road, Pradhikaran, Nigdi, Pimpri-Chinchwad,
Maharashtra 411044



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