



Progressive Education Society's
Modern College of Engineering

Approved by AICTE and Affiliated to SPPU

NAAC Accredited "A" Grade

NBA Accredited : UG - Electrical and E & TC, PG-MCA

Awarded as "Best Professional College" in Urban Area by SPPU

DTE CODE : 6139



| UG Engineering |
| E & TC | Computer | Mechanical |
| Electrical | Information Technology |
| Artificial Intelligence & Data Science |
| Artificial Intelligence & Machine Learning |
| Electronics and Computer Engineering |
| PG Engineering | MBA | MCA |

INFORMATION BROCHURE '22

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- Website : www.moderncoe.edu.in

Our Inspiration



Late Shri Shankarraoji Kanitkar

Founder, Progressive Education Society, Pune 5

Vision

“To create a collaborative academic environment to foster professional excellence and ethical values”

Mission

- To develop outstanding professionals with high ethical standards capable of creating and managing global enterprises
- To foster innovation and research by providing a stimulating learning environment
- To ensure equitable development of students of all ability levels and backgrounds
- To be responsive to changes in technology, socio- economic and environmental conditions
- To foster and maintain mutually beneficial partnerships with alumni and industry

The Chairman



Prof. Dr. G. R. Ekbote

Chairman, Business Council,

Progressive Education Society, Pune 5

Progressive Education Society's Modern College of Engineering is successful in delivering high standard of education along with overall development of the students, thus bringing about a transformation from being academic individuals to responsible citizens.

Shri. Shankarraoji Kanitkar, Founder, Progressive Education Society along with his selfless dedicated team of teachers had a vision of an all-inclusive education. From the time of inception of Progressive Education Society's Modern College of Engineering in the year 1999, we have been successful in making this vision come true in every sphere of education.

The Principal



Prof. Dr. (Mrs.) K. R. Joshi

Principal,

P. E. Society's, Modern College of Engineering, Pune 5

Progressive Education Society's Modern College of Engineering has been successful in providing necessary platform for the students to exhibit their skills and talent in every aspect ranging from education, extra- curricular activities, team building and all-round development.

We provide the right ambience for nurturing individuals to become responsible professionals. We take pride in the high standard of academic and well-planned curriculum delivery which ensures a great learning environment. The management support, faculty involvement, administrative efforts and enthusiastic students together work to bring about a positive change in the society and nation at large.

Progressive Education Society's

Modern College of Engineering



Progressive Education Society was established in year 1934 in Pune by Late Honorable Shankarraoji Kanitkar, along with his dedicated team of teachers and experts in the field of education known for their highest moral values. The activities of this Society have always been 'Progressive' and 'Modern', inspired by the vision, goal and responsibility towards society. The Honorable Chairman Prof. Dr. G. R. Ekbote always inspires to provide education a real meaning and a new dimension to the Society. At present a total of 64 educational institutes, which include primary schools to post graduate- professional & management institutes, spread in and around Pune city are under the aegis of Progressive Education Society.

Modern College of Engineering was established in the academic year 1999. To impart quality education to students the Institute has collaborations with various industries. The Institute has also been selected by Ministry of Human Resource Development (MHRD), Govt. of India for establishment of IIC to systematically foster the culture of Innovation amongst educational Institutions. Students are encouraged for entrepreneurship and creating IPRs. Also a skill development center for SC/ST students is established under AICTE. Career counseling and guidance is provided to the students. The PES Modern College of Engineering has always remained student's focused assisting the students in getting suitable placements by providing training to ensure that every student gets the required skills.

PES's MCOE believes in outcome-based learning. It has achieved outstanding academic results. Our students have achieved top ranks in University, and some have successfully cleared competitive examinations. They have scored well in GRE, TOEFL and have taken admissions for post graduate courses in various reputed Universities / Institutes in India and abroad.

Courses Offered

The following undergraduate courses are offered at Modern College of Engineering.

Undergraduate Courses	Intake	Duration (Years)	Newly added UG Courses	Intake	Duration (Years)
Mechanical Engineering	180	4	Artificial Intelligence & Data Science	60	4
Electronics & Telecommunication Engineering	120	4	Artificial Intelligence & Machine Learning	60	4
Computer Engineering	120	4	Electronics & Computer Engineering	60	4
Electrical Engineering	120	4			
Information Technology	120	4			

In addition to under graduate programs, Modern College encourages students to pursue their academic interest by the way of specialized post graduate courses and research centres affiliated to SPPU.

Post Graduate Courses	Intake	Duration (Years)	Post Graduate Courses
Electrical Engineering (Control System)	18	2	Electrical Engineering
Mechanical Engineering (Heat Power)	18	2	Mechanical Engineering
E&TC Engineering (Signal Processing)	09	2	E & TC Engineering
Computer Engineering	18	2	Management
M.B.A.	120	2	
M.C.A. (Engineering)	120	2	

Campus Facilities



- Well stocked library with 60000 books and e-resources
- Reading Hall with seating capacity of 300 students
- Wi-Fi enabled campus with internet BW of 215 Mbps leased line
- Language laboratory for Japanese, German & English
- Career Counseling Cell
- Facilities for differently-abled persons
- Separate Common rooms for Boys and Girls
- Extra-curricular & Student Clubs Activity Room
- Gymkhana
- Playground and Sports Complex
- Elegant auditorium with 500+ seating capacity
- Cafeteria
- Adequate medical facilities for staff and students
- Hostel facility for Girls and Boys
- Parking facility for students and staff

Academic Highlights & Awards

Outcome Based Education

- Learner Centric Environment
- ICT Enabled Interactive Teaching & Learning
- Mentoring & Guardian Faculty Member System
- Skill Development Program & Project Based Experiential Learning
- Additional Classes for Remedial Teaching
- Online Courses under MOOC NPTEL & Spoken Tutorials in association with IIT

Consistent University Rank Holders

500+ Paper Publications in Renowned National and International Journals

State Level Quiz Competitions

National Level Programming Competitions

25+ National and International Level Project Competitions





life@Mcoe

The Campus is a vibrant hub of cultural and intellectual activities the office of student life works toward building opportunity that helps students nurture their creative endeavours while striving for excellence



- **25+** Patents and **50+** Copyrights filed through IPR Cell
- Professional Society & Student Chapters SAE, IEEE, CSI, IEI, ISLE, ISTE, IETE, ACM, PMA, ASME & IET
- MOOC Courses like Swayam - NPTEL, Spoken Tutorial, Udemy, Coursera, edX
- **25+** Students completed e-Yantra certification course in Robotics and embedded system
- Guest lectures, industry expert guidance for projects, seminars, workshops, industrial visits, internships
- Audit courses for Foreign languages (Japanese & German), Human Behavior, Cyber-Crime & Law, Cyber Information & Security



Profesional Society Chapter



- Received AICTE funding for Faculty development program on “Electric Vehicle Application, Control and Smart Charging using Artificial Intelligence” in the academic year 2020-21
- Received AICTE funding for ATAL FDP in the field of “Advance Control and sensor technology for smart grid with Renewable Energy Integration” in the academic year 2020-21.
- Received AICTE MODROB Research funding for “Renewable Energy System” laboratory development in the academic year 2019-20.
- Received BCUD(RPS) research funding for “Development of Super Capacitors from indigenously developed carbon” under Savitribai Phule Pune University during the academic year 2015-2017.
- Received BCUD(RPS) research funding for “Design control and comparative studies of various topologies of ZSI fed R-L load” under Savitribai Phule Pune University during the academic year 2015-2017.
- Received Funding approved by AICTE under “Pradhan Mandri Kaushal Vikas Yojna for Technical Institution (PMKVY-TI)” during the academic year 2017-18.
- Received BCUD(RPS) research funding for “Design of Embedded Fuzzy coordinated P I D Controller for Pressure and Liquid Flow Control Process (SISO) system and Multivariable Process Control (MIMO)” under Savitribai Phule Pune University during the academic year 2014-16.
- Received BCUD research funding for “Positioning of Platform for launching of object by application of integrated brushless D.C.Motor Panel” under Savitribai Phule Pune University during the academic year 2014-16.

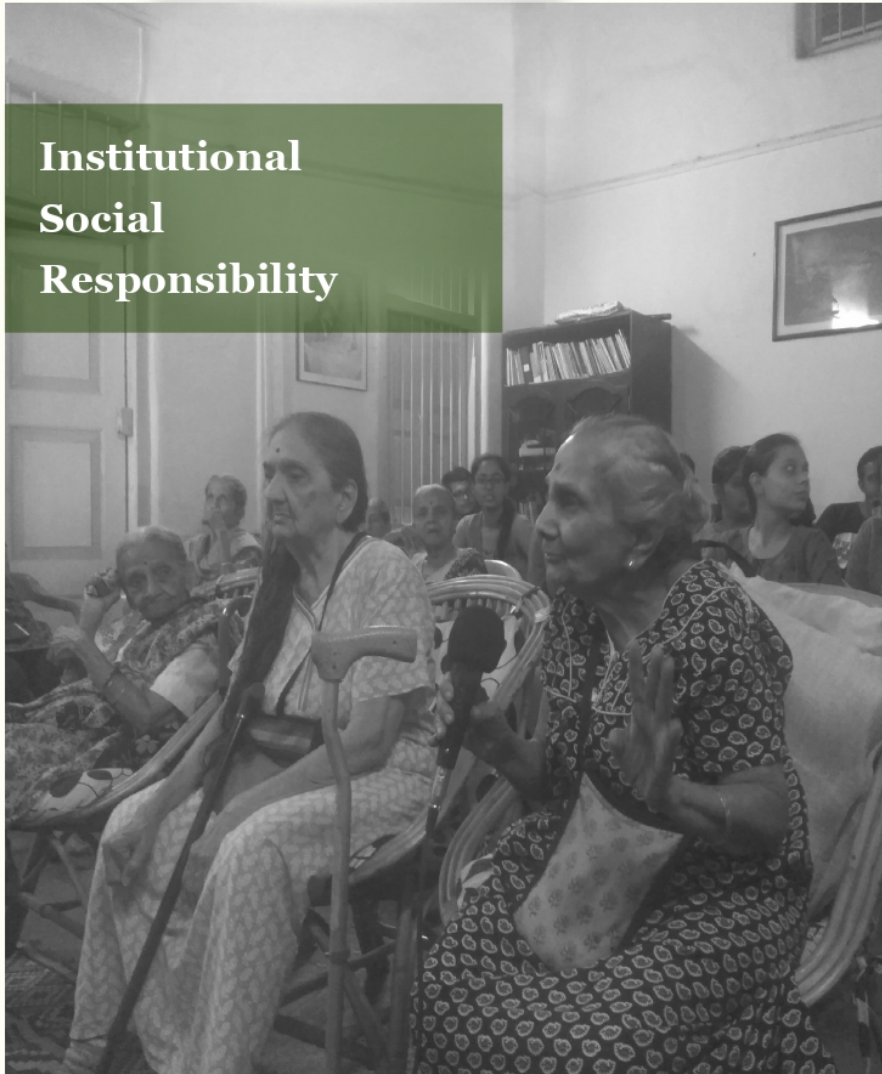
Student Clubs



25+ student clubs under categories such as technical, social, arts and lifemanagement skills are working to enhance student's personality

- Brain Stormer's Club
- Robotics Club
- Foxcodes Campus Club
- Graphics Club
- Metamorph Club
- Cypher Club
- Pegasus Club
- Aero Club
- Code Cooks Club
- App Club
- Astronomy Club
- MEOE Techno Physics Club
- Techno Fuel Club
- Seeds of Hope Club
- Club Dayitwa
- RCPK Modern Managers
- Traffic Forum Club
- Prerana Club
- Paryavaran Sanrakshan club
- Book Geek Club
- Personality Development Club
- Phylosopher Club
- Debate Club
- Pixinsight Club
- Wall Magazine Club
- Rotaract Club

Institutional Social Responsibility



- Adopted 5 villages under Unnat Bharat Abhiyan (UBA), initiative of MHRD, Govt. of India.
- NSS Team under MHRD, Dept. of Youth Affairs and Sports, New Delhi, Govt. of Maharashtra & SPPU organizes Winter Special Camp in Khamgaon Chhatra on the outskirts of Pune.
- NSS Team Activities-Tree Plantation, Blood donation, Plastic Collection drive, Traffic Awareness drive, River Cleanliness.
- Vidyarthi Vikas Mandal programs- Earn & Learn scheme for needy students, self-defence training program, personality development and women rights awareness programs.
- ISR Cell conducts activities to make students aware about their social responsibilities.



M-PULSE

Techno-Management Event

M-Pulse is an annual technical event of the Institution that was started with an intention to enhance the technical and managerial skills of students and provide them with an effective platform to showcase their talent. Under M-Pulse Institute hosts a variety of events that include competitions, exhibitions, lectures as well as workshops.

Extra Curricular Activities



55%

women in
student bodies

Student Achievements



Co-Curricular



- Winner in Project Competition by Niti Ayogunder Pune Smart City Hackathon- 2018
- First prize for Best Project in 9th CSI-inApp National Student Project Awards 2020
- Winner Asia-Pacific region, "Semicolons 2018", Persistent Annual Global Hackathon
- First prize in Honey Well Techgig PlatformWomen Engineers Coding Challenge
- First Prize in Neuron 2019: Artificial Intelligence
- First Prize in Smart India Hackathon 2019 at JSS NOIDA
- 4 rank in All India SAE BAJA 2018.
- 3 rank in All India Endurance Race 2017-18.
- 5 rank in All India Business Plan Presentation 2017-18.
- Fastest ATV of SAE BAJA 2017-18.
- 3 rank in Auto India Racing Championship for Go-kart vehicle. TEAM PEGASUS has been selected for the main event of SUPRA, a Formula-1 car racing event.

Extra curricular Achievements



- Won 3rd position and individual prizes for writing (2nd prize), classical singing (2nd prize), direction (3rd prize), beat boxing (Consolation prize) and group dance (1st prize) in Firodiya Karandak 2019
- Won 2nd position- Hari Vinayak Karandak in Purushottam 2017-18
- Won Best Male Acting (Keshavrao Date Puraskar) and Female acting (Kakaji Puraskar) in Purushottam Karandak 2017-18
- 3rd prize - Best Director, 2nd prize - Best Writer in Firodiya Karandak 2019
- India's Gold Medal in International Groove Fest 2018, Dubai (Dance Competition)
- Gold Medal, International Pro Box Competition, 2020
- Silver Medal, 5th MOSCOW Wushu Stars Tournament 2019, Moscow, Russia
- Bronze Medal, 5th MOSCOW Wushu Stars Tournament 2019, Moscow, Russia
- 2 Bronze Medal, 8th World Kungfu Championships, Emeishan City, China
- Shiv Chhatrapati Award for Rope Malakhamb
- National Level Bronze Medal in Tenni-Koit

Institute Industry Interaction (III)



- Institute has strong industry tie-ups to arrange various technical activities such as Industrial visits, hands on workshops, guest lectures, and seminars
- Institute also has 71 MOUs and regular activities are conducted in collaboration with them
- Institute has MOUs for Internship and industry supported projects at UG and PG level.
- Institute has MOUs with renowned companies for training and placement purpose.
- The Institute has been recognised as Industry Center of Excellence for Cisco, Networking Academy, AWS academy, Microchip, paloalto, Red Hat Academy, blue-prism University and GoDaddy Academy in association with EduSkills and ISTE

Entrepreneurship Development

- The ED Cell has been established to encourage students for self-employment and build their career.
- Since 2018, ED Cell has been actively coordinating Institution's Innovation Council (IIC) and Unnat Bharat Abhiyaan (UBA 2.0), flagship events of MHRD, Government of India. Under Unnat Bharat Abhiyaan (UBA 2.0) 5 villages are adopted in and around Pune. Institute has successfully completed ED Cell Development Program under mentorship of IIT, Kharagpur. Students also participate in activities of Incubation Centre of reputed institutes.
- PRO-START, flagship event aims to promote and upraise ideas of budding engineers towards their start-ups.
- Vicharghana, a lecture series by eminent personalities in various fields.



Training & Placement

- Tie ups with many prominent companies for placement
- Summer Internships for Industry Training
- 83 MOUs with reputed companies like TCS, Wipro, Zensar, Syntel, UNO MINDA, Bitwise, Harbinger, AMCAT etc.
- Skill development program by SYNTEL / FUEL / TCS for placement
- Entrepreneurship Development Cell (ED Cell) to
- Strong alumni support as recruiters and trainers
- Fostering technical and managerial skills and competencies by grooming of students.
- Training and Placement Officer has received recognition from many platforms.



Training & Placement

Recruitments

Highest International package	Rs. 30.5 LPA
Highest Domestic Package	Rs. 12.5 LPA
Average Package	Rs. 4.5 LPA
No. of Students placed	600+
No. of Companies	140+



TOP RECRUITERS

Sr. No.	Name of Company	Salary in Lacs
1	Pubmatic India Pvt. Ltd.	12.65
2	Eq Technologic	11.68
3	Miniorange	11
4	Druva Data Solutions	10
5	FIS Global	8.64
6	PTC	8
7	Tata Consultancy Services	9 to 3.6
8	Xoriant Solutions Pvt.Ltd.	8
9	Cognizant Technology Solutions India Pvt. Ltd	6.75 - 4
10	Uno Minda	6.75
11	Thermax Ltd	4
12	Force Motors	3.5
13	Atlas Copco	7
14	Mahindra & Mahindra	4
15	Grifeo	5 L

Training & Placement



- Guidance in project development and sponsorship for projects
- Guidance in getting internship in various companies/organizations
- A helping hand in Training and Placement related activities
- Information about various technical and non-technical certification
- Career/educational opportunities after current program
- Delivering seminar on various technical / non-technical topics
- Guidance for organizing technical and cultural events
- Industrial Visits

Alumni Contributions

Apply to Us



- The competent authority, the Director of Technical Education, Maharashtra State (DTE) shall be the authority for Centralized Admission Process (CAP).
- Admission for Institute level seats, Supernumerary Quota (PIO) and vacant seats is carried out in a transparent manner and strictly as per the Inter-Se Merit of the Candidates who have applied to the Institution.
- The institute prepares and displays the Inter-Se merit list of the Candidate, in the Institutional Quota and Supernumerary Quota (PIO), with the vacant seats after CAP, on the notice board and publishes the same on the website of the institute.
- Aspiring candidates fulfilling the eligibility criteria as notified by the Government and specified by the competent authority (DTE), from time to time, shall apply to the Principal for admission at the Institution level.
- Advertisement regarding “Admission” will also appear in newspapers after the CAP final round.
- List of all the admitted students under all the categories along with the merit list is displayed on the notice board.
- Fee Structure as sanctioned by the Shikshan Shulka Samiti, Govt. of Maharashtra & in accordance with provisions of Anti Capitation Act (Prohibition of Capitation Fee Act, 1987)
- Fees refund against cancellation is as per the directives of Govt. of Maharashtra



Facebook : www.facebook.com/modern.coe.pune.5



Instagram : <https://bit.ly/2Btig1E> (@pesmoderncoe_pune)



Twitter : www.twitter.com/pesmcoepune

INSTITUTES MANAGED BY PROGRESSIVE EDUCATION SOCIETY

■ High School, Pune 5.	(Estd. 1934)	■ Shishu Vidya Mandir & Pandit Jawaharlal Nehru Prathamik	(Estd. 1994)
■ Prathamik Vidya Mandir, Pune 5	(Estd. 1936)	■ Vidya Mandir, Warje, Pune 29.	
■ Girl's High School, Pune 53.	(Estd. 1946)	■ Pre-Primary & Primary Eng. Med. School Warje, Pune 29.	(Estd. 1996)
■ Modern High School, Pune 5.	(Estd. 1967)	■ Modern Centre for Information Technology & Research, Pune 5.	(Estd. 1997)
■ Shishu Vidya Mandir, Pune 5.	(Estd. 1968)	■ Modern High School, Warje, Pune 29.	(Estd. 1998)
■ Modern College of Arts, Science and Commerce, (Jr. Wing) Pune 5.	(Estd. 1970)	■ Modern College of Pharmacy, Pune 44.	(Estd. 1998)
■ Modern College of Arts, Science and Commerce, (Sr. Wing) Pune 5.	(Estd. 1970)	■ Modern College of Engineering, Pune 5.	(Estd. 1999)
■ Kindergarten & Primary English Medium School, (N.C.L. Campus)	(Estd. 1976)	■ N.C.L. Jr. College of Science & Arts, Pune 8.	(Estd. 2000)
■ N.C.L. Primary School, Pune 8.	(Estd. 1976)	■ Modern Jr. College, Nigdi, Pune 53	(Estd. 2002)
■ N.C.L. Secondary School, Pune 8.	(Estd. 1981)	■ Institute of Management and Career Development (M.C.A.), Pune 44.	(Estd. 2002)
■ Pre-Primary English Medium School, Pune 5.	(Estd. 1985)	■ Modern Law College Ganeshkhind, Pune 53.	(Estd. 2003)
■ Primary English Medium School, Pune 5.	(Estd. 1987)	■ Modern College of Special Education, Pune 5.	(Estd. 2004)
■ Modern High School (English Medium), Shivajinagar, Pune 5.	(Estd. 1993)	■ Modern College of Pharmacy for Women, Moshi, Dist. Pune.	(Estd. 2004)
■ Shishu Vidya Mandir, Nigadi, Pune 44.	(Estd. 1986)	■ Modern College of Education for Ladies, Pune 5.	(Estd. 2006)
■ Prathamik Vidya Mandir, Nigadi, Pune 44.	(Estd. 1986)	■ Modern College of Physiotherapy, Pune 5.	(Estd. 2007)
■ Modern Centre For Career Guidance, Pune 5.	(Estd. 1989)	■ Modern College of Computer and Business Studies, Pune 5.	(Estd. 2007)
■ Shishu and Prathamik Vidya Mandir, Ganeshkhind, Pune 16.	(Estd. 1990)	■ Modern College of Agriculture Biotechnology, Kule - Dakhane, Paud.	(Estd. 2009)
■ Modern High School & Jr. College, Bhose (Tal. Khed, Dist. Pune)	(Estd. 1991)	■ Modern College of Commerce and Computer Studies, Nigdi, Pune 44.	(Estd. 2010)
■ Pre-Primary & Primary English Medium, School, Nigdi, Pune 44.	(Estd. 1991)	■ Modern Institute of Business Management, Shivajinagar, Pune 5.	(Estd. 2010)
■ Modern High School, (English Medium), Nigadi, Pune 44.	(Estd. 1991)	■ Modern High School English Medium, Warje, Pune 58	(Estd. 2010)
■ Institute of Management and Career Development (MBA), Pune 44.	(Estd. 1991)	■ Modern High School (English Medium) & Jr. College, Pashan, Pune 8	
■ Modern College of Arts, Science & Commerce, Pune 53.	(Estd. 1992)	■ Modern College of Arts, Science & Commerce, Warje, Pune 58	(Estd. 2019)
■ Modern English Medium School, Pune 5.	(Estd. 1993)		

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