

Course /Syllabus Details

The institute is affiliated to the Savitribai Phule Pune University (SPPU) formerly University of Pune, semester courses as per **2017 credit pattern** is conducted as per link below

<http://collegecirculars.unipune.ac.in/sites/documents/Syllabus%202017/ME%20Mech.%20Heat%20Power%202017.pdf>

Admission to ME Mechanical Engineering -Heat Power

Progressive Education Society has started Modern College of Engineering (MCOE) in the year 1999. MCOE offers *Masters' programs* in Mechanical Engineering (Heat Power Engg) since 2008. This is full time 4-Semester course approved by AICTE and affiliated to the **Savitribai Phule Pune University**.

The M.E. (Master of Engineering) admission to the above engineering courses is covered under Centralized Admission Process (CAP) carried out by the Competent Authority of the State of Maharashtra. CAP provides a platform for the students to apply online for master's programmes, based on their Positive (Non Zero or Non Negative) Graduate Aptitude Test in Engineering (GATE) score of respective year examination, in colleges across the State of Maharashtra.

1] Intake:

The allocation under different heads is based on proportion given in the **State Common Entrance Test Cell, Government of Maharashtra** Information Brochure 2019-2020 and may vary somewhat due to rounding off the ensuing fraction.

Institute Name: **Progressive Education Society's Modern College of Engineering, Pune**

Sr. No	Name of the Course	Choice Code	Seats Available through CAP	Total Intake
1	ME Mechanical Engineering Heat Power Engg	613959610	18	18

Important features of the admission procedure, eligibility criteria for admission through CAP, admission schedule, seat distribution matrix, and allied information are obtainable from the DTE brochure which is available at the website:

Intake of Industry/Institute/Organization Sponsored Candidate:

The industry /Institute/Organization experts in the field of Mechanical Engineering having relevant work experience as per the DTE guidelines can also take part in the admission process under Sponsored Candidate Category

2] Admission Process

i] Centralized Admission Process (CAP)

The Institution shall admit Candidates through the Centralized Admission Process (CAP) as per rule in the Information Brochure of Post Graduate Technical Courses

ii] Admissions in Institutional Quota and vacant seats after CAP

Apart from centralized admission process, admissions are also available for Seats offered at institute level. These Admissions will be made as per the procedure laid down in the Rule of PG Information Brochure. For such admissions candidates will have to, in person, apply directly to the Principal Modern College of Engineering with all original certificates & documents.

3] Fee Structure

This is based on the relevant norms for the courses and the endorsement from Shikshan Shulka Samiti, a statutory body of Government of Maharashtra and is given in the link "Fee Structure of the Institute" of this institute's website.

For payment of the fees, two separate demand drafts (DD) should be drawn as mentioned in the fee-structure in favor of The Principal, PES Modern College of Engineering, Pune 5. DDs should be Payable at Pune. Candidate should write down his/her name & the discipline in which admission is sought on the back side of the DDs.

4] Scholarships:

For receiving Post Graduate scholarship a candidate must have qualified in GATE with valid GATE Score. However, a GATE qualified candidate does not automatically become eligible to receive a scholarship. In fact, only a limited number of scholarships are available at the Institutes from AICTE. These scholarships will be offered to the GATE qualified candidates only, strictly on the basis of valid GATE score MERIT, i.e., candidates must have marks (out of 100) greater than or equal to qualifying marks in respective caste category and continue to receive the same, provided they fulfill the conditions prescribed by AICTE/Institute, from time to time.

5] Conduct & Discipline

Every student admitted to the College for the Academic Term shall be compulsorily required to sign an undertaking that he/she will abide by all the Rules as laid by the institute and parent trust and that he/she will fulfill the minimum attendance requirement as per the provisions of UoP. Parents/guardians are requested to keep track of their ward's attendance in classes. A student will also have to give an undertaking supportive of anti ragging as per the provisions of law. This undertaking duly filled in, signed and sworn by the student and his/her parent is to be submitted to college office at the time of Registration.

Students while studying in the College, if found indulging in anti-national activities contrary to the provisions of acts and laws enforced by the Government, any activity contrary to rules of discipline will be liable to be expelled from the college without any notice.

Prohibition Of Ragging (AICTE REGULATION: F.No 37-3/Legal/AICTE/2009 Dated July 01, 2009.)

1. Ragging in any form is strictly prohibited within the College premises or any other part of Pune University as well as on public transport.
2. Any individual or collective act or practice of ragging constitutes gross indiscipline and shall be dealt with under relevant Ordinance.
3. Ragging for the purpose of this *ordinance* ordinarily means any act, conduct or practice by which dominant power or status of senior students is brought to bear on students freshly enrolled or students who are in any way considered junior or inferior by other students. It includes individual or collective acts or practices which-
 - involve physical assault or threat, and/or use of physical force
 - violate the status, dignity and honor of women students
 - violate the status, dignity and honor of students belonging to the SC and ST
 - expose students to ridicule and contempt and affect their self-esteem
 - entail verbal abuse and aggression, indecent gestures and obscene behavior

6] CONTACTS:

Department	Department Head	Coordinator
Mechanical	Prof.Dr. S. Y. Bhosale hodmech@moderncoe.edu.in	Prof. H. N. Deshpande 9881728334 hndesh@gmail.com

Separate Sub Tab

Research Work

1. Research Projects

- The department takes numerous initiatives for awareness and promotions of research spirit in the student
- Department is actively engaged in research projects to enhance skill and knowledge to serve the society in general and for academic excellence in particular
- Scientific temperament is supported by discussion, analysis of specific problem in research area of students with experienced faculty member of that domain during the projects, presentation with co-relation to students' course structure in academic subjects.
- Many Research Projects have been completed by the ME Research Scholars in coordination with reputed organizations. The research facilities of following organizations were used by our ME Research Scholars.
 - Cummins India Ltd Pune
 - Indian Institute of Technology Bombay
 - Indian Biodiesel Corporation Limited
 - Kirloskar Brothers Limited
 - Kirloskar Systech Limited
 - Spirax Marshal PVT Limited.
 - TATA Motors Pune
 - Thermax India Pvt Ltd Pune
 - Urja Disha
 - Valio India pvt. ltd
 - Whirpool Pune
 - Zeus Numerix Pvt Pune

2. Research Publications

- ME scholars are encouraged to write technical papers, participate in technical events, to carry out literature survey which broadens their research area and industry interaction
- Faculties and students are encouraged to participate in National and International Conferences and publish papers.
- The active participation of faculties and students in research shows the energetic environment of our department which leads to continuous development of the society.
- The details of ME students and staff publication in reputed national/international journal/conference are as below

International/ National Journal	International/ National Conference
105	34