

MECHANICAL ENGINEERING

ESSENCE

Dec 2017-18

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Department

The department of Mechanical engineering being one of the oldest and the finest departments of the college has a learned and experienced faculty, who with their rich experience in academic and industry are able to enlighten the students about the latest trends and practical aspects of engineering. The department has excellent facilities for the students to enhance their skills in various fields of mechanical engineering. Our engineers are waiting for an opportunity to prove their mettle at work place that is equipped with their hard earned degrees. The department is having highly qualified, experienced & dedicated staff along with State of Art Infrastructure & well equipped Labs. The academics go hand in hand with Guest Lectures by Eminent Personalities from the Industry, Alumni students, & Subject Experts from Pune University. The theory is well explained with the help of practical & Industrial Visits.

Vision

- To be among the top colleges who produces competent mechanical engineers.

Mission

- To impart quality education and to enhance students' skills to make them ready for their professional career.
- To provide an education that builds within students a solid foundation in mechanical engineering principles with creativity and innovation.
- To develop linkages with other educational institutes and industries.
- To encourage students to become entrepreneurs and inculcate professional ethical practices by providing them with necessary inputs.

Technical Events 2017-18



CAD – War



Junk Machines



Robo-Soccer



Spot PPT

Highlights of Academic Excellence in SPPU Examination for 2017-18

Toppers:

- | | | |
|------------------------------------|--------|-----------------|
| ➤ Ms. Shivani Deepak Patil (BE) | scored | 82.80 % |
| ➤ Mr. Gawade Yashwant Santosh (TE) | scored | 9.8 CGPA |
| ➤ Mr. Ashitosh Dol (SE) | scored | 9.1 CGPA |

Placement Reports

The Companies Visited To The Institute In The Year 2017-18 were Plast Pro, ThyssenKrupp, Tata Technologies Ltd., Flextronics, Godrej And Boyce, Atharva Fitch, Tech Mahindra, Force Motors, Atharva Fitch, Impals India, Byju's, AMW Motors, True Power Earthings Pvt. Ltd, Pari Robotics, Impression Systems & Engineering Pvt. Ltd, Rivigo India, Savita Enterprises, Color Cloud Solutions, Spectrum, Mythos, Amazon India, Ubisoft India, Nvidia (Spectrum), Cognite Intellectual, 3M Software, TCS, Solutions, Indian Navy.

1	Total Students on Roll	171
2	Eligible	94
3	Placed	58
4	Double Offer	10
5	Tripple Offer	2
6	Higher Studies Students	5
7	Entrepreneurs	2

Notable Faculty Publications AY 2017-18

Sr. No.	Name of Faculty	Name of Publication	Name of Journal
1	Mr.Manoj J. Rajale	Experimental Analysis of Oblique Fins to Enhance Heat Transfer	International Research Journal of Engineering and Technology
4	Vishal M Bansode	Unified Adjustable Type Wheel Opener	International Journal of Mechanical, Robotics and Production Engineering.
8	Fioz Z. Pathan	Intra-Laminar Fracture Toughness of Glass Fiber Reinforced Polymer By Using Theory, Experimentation and FEA	IOP Conference Series: Materials Science and Engineering
10	Keval .C. Nikam	Investigation on Emission Characteristics of CI Engine fuelled with Calophyllum Inophyllum Biodiesel	International Journal of Research In Science & Engineering
13	Shekhar G Khedkar	Experimental Analysis of Closed Loop Pulsating Heat Pipe By Using Different Working fluids	International Journal of Research
14	K.V.L.Bhuvaneshwary	A Review on Ancient Scientific Techniques for Solution to Energy Crisis	International journal of engineering development and research
17	Paresh Kulkarni	Comparative study of wear behavior of M35 tool steel on treated and untreated cutting tool on lathe machine	International Journal of Research Publications in Engineering and Technology
18	Vishwanath R. Solapure	Design improvement of Universal Core Builder For Automotive Radiators	Journal of Innovation in Engineering & Applied Science
19	Vishwanath R. Solapure	Camshaft oil hole testing device	International Journal of Research Publications in Engineering and Technology

Faculty Development Workshop

FDP on SCILAB

A Faculty Development Program was arranged on SCILAB implementation and Hands on practice for engineers. Mr. Rupesh Gosavi, Certified Matlab Associate, Pune had conducted the FDP session for the faculty and also some interested students were also invited to attend the program



FDP on SCILAB

FDP on Practical Finite Element Analysis

A Faculty Development Program was arranged on “Practical Finite Element Analysis”. The session was guided by Mr. Apoorv Bapat, Founder of Eleation, Pune. He also gave a hands-on session for all the participants and explained them the importance of Practical FEA.



FDP on Practical Finite Element Analysis

Guest Lectures

The guest lecture on “Entropy and Availability - Practical Importance” was organized by Mechanical Engineering Department on 18th September 2017. Mr. Ravi Kakade, Professor, Government College of Engineering and Research, Avasari (Kh), Tal. Ambegaon, Dist-Pune The seminar was about the practical importance of Entropy and Availability. The outcome of the event was students were able to relate the theoretical knowledge of Entropy and availability with the practical applications



Entropy and Availability - Practical Importance

Industrial Visits

Industrial Visit Shri Sant Tukaram Sahakari Sakhar Karkhana Ltd, Darumbre , Mulshi for SE Mechanical Engineering students was arranged on 28th August 2017 for Studying and understanding the working of a Boiler. Students could explain the working of a Boiler and all the important accessories and Mountings provided to it in a process industry such as a sugar factory



Visit to Shri Sant Tukaram Sahakari Sakhar Karkhana Ltd.

Industrial Visit
 B.U. Bhandari,
 Mercedes Benz
 Showroom, Baner
 and MSRTC Aundh
 S.T. Depot for SE
 Mechanical Engg
 students was
 arranged. for
 studying and
 understanding the
 working of an
 Automobile
 Service Industry so
 that students can
 explain the
 working of an
 Automobile
 Service Industry.



Industrial Visit
 MSRTC Aundh S.T.
 Depot for SE
 Mechanical
 Engineering students
 was arranged for
 studying and
 understanding the
 working of an
 Automobile Service
 Industry so that
 students can explain
 the working of an
 Automobile Service
 Industry and also the
 various methods used
 for servicing

Editor:
Mr.Sushil Sunil Gaikwad