

First Year Engineering Newsletter



FE Welcome Address and Student Induction Program

The institution conducted its Student Induction Program (SIP) for the 2023-24 academic year, aiming to ease new students' transition into campus life. The program kicked off with the FE Welcome Address and Orientation Program on August 26, 2023, featuring inspiring speeches from Director Dr. P. T. Kulkarni, Principal Dr. S. T. Gandhe, and Head of the First Year Engineering Department Mr. E. M. Reddy, which set a positive tone for the days ahead. From August 28 to September 1, the SIP offered a detailed schedule to acquaint students with their new environment, including a heartfelt welcome, a campus tour, academic overviews, department orientation and introductions to student services and administrative procedures. Additionally, the program covered library and research resources, technology and IT support, safety and security measures, student organizations, and sessions on universal human values. This comprehensive approach was designed to ensure that freshmen and their families felt well-informed, comfortable, and ready to begin their academic journey, fostering a supportive and engaging campus environment.



Publications (Research Papers):

- > Dr. S. T. Gawhale Published a research paper on "Multispectroscopic and molecular docking studies of moxifloxacin embedded psulfonatocalix [6] arene an antibiotic drug complex, assessment of in-vitro cytotoxicity and antibacterial activity" in Chemmedchem.
- > Dr. S. T. Gawhale Published a research paper on "A green synthesized C-4-Hydroxy-3-methoxycalix[4]resorcinarene CHMPGR chemosensor for efficient detection of permanganate ion in water" in Journal of Molecular Structure.
- > Dr. A. M. Deshmukh Published a research paper on "Investigation of Effects of Pongamia Methyl Esters as a green fuel for Diesel Engine", in International Journal of Automotive Science and Technology, e-ISSN: 2587-0963.
- > Ms. A. N. Sayyad Published a research paper on "A review on substitute piston engine combustion system with the help of homogeneous charge compression ignition theory using methyl alcohol and diesel fuel" in The journal of Maharaja Sayajirav University of Baroda.
- > Mr. K. L. Bhoite Published a research paper on "Machine Learning Based Fluid-Transportation Monitoring and Controlling" in International Journal on Recent and Innovation Trends in Computing and Communication.
- > Mr. R. R. Vardhaman, Mrs. K. R. Jadhav, and P. D. Jadhav Published a research paper on "A review on sustainable development of cement concrete through aggregates and creative materials" The journal of Maharaja Sayajirav University of Baroda.
- > Mrs. Usha Polina Published a research paper on "Cul as a Potential Hole Transport Material for Perovskite Solarcell:A computational Approach" International Journal of Renewable Energy Technology-IJRET.

Faculty Achievements:

- ◇ On behalf of PICT Electoral Club, Dr. S. T. Gawhale has been recognized with the state level best Nodal Officer Award by the Election Commission of India (ECI) under its systematic Voters Education and Electoral Participation Program (SVEEP).
- ◇ Dr. A. M. Deshmukh is awarded with a certificate of evaluator for "Online Pitching Session" of School Innovation Contest of Innovation Cell and Department of School Education and Literacy by Ministry of Education, Government of India.



Guest Lectures (Organized/Delivered)

Dr. A. M. Deshmukh recently enriched the academic environment at Navsahyadri Group of Institutes, Faculty of Engineering, with a lecture on "Systems in Mechanical Engineering." His discussion provided valuable insights into the integration and application of mechanical systems, fostering a deeper understanding among students and faculty. Dr. Deshmukh also addressed the students at Trinity College of Engineering, where he presented a lecture on "Engineering Graphics," highlighting the importance of graphical skills in engineering design and problem-solving.

Mr. Pankaj S. Patil contributed to the academic discourse at PK Technical Institute with his lecture on "Engineering Mathematics-I." His presentation covered essential mathematical concepts and their applications, which are critical for engineering students tackling complex problems.

Mr. V. B. Patole provided an expert overview of "Applications of Multiple Integrations" at TSSM's Bhivrabai Sawant College of Engineering and Research. His lecture illuminated the practical uses of multiple integrations in engineering, enhancing students' grasp of this fundamental mathematical tool.

In addition to these academic lectures, Dr. A. M. Deshmukh organized a significant guest lecture on recent trends in electric vehicles. The session featured Mr. Bhagwan Bhosale from Tata Motors, who shared valuable insights into the latest developments in electric vehicle technology, discussing innovations and future directions in the industry.

These lectures reflect a commitment to advancing knowledge and bridging the gap between academic learning and industry practice. The insights shared by these experts are poised to inspire students and faculty alike, fostering a richer educational experience and keeping pace with advancements in technology and engineering.

Certificate Course on "3D Printing with SOLIDWORKS "

3D Printing is an emerging manufacturing Technology, to give exposure to this new and emerging technology First Year Engineering Department conducted a 52 hours certificate course from 18/10/23 to 12/03/24 along with Industry experts on "3D Printing with SOLIDWORKS". Mr. Kartigya Kumar Application Engineer at Philips India Machine Tools Pvt Ltd delivered a session on "3D Printing Technology and Reverse Engineering". Around 19 students from various engineering colleges in Pune registered and successfully completed this course.



PICT Astro Club:

The newly formed Astro Club at Pune Institute of Computer Technology (PICT) is dedicated to exploring the wonders of the universe. Established by first-year students, the club fosters a love for astronomy through engaging activities. Our first event, a telescope handling and stargazing workshop on March 14, 2024, saw enthusiastic participation. Future activities include guest lectures, observation nights, and astronomy quizzes. The club is open to all students, encouraging collaboration and learning. Future plans include collaborations and participation in national events and competitions. Membership is a gateway to a community of like-minded enthusiasts. Let's reach for the stars together.





- I. Mr. A. S. Bodhe, Ms. S. A. Barde, Mr. K. D. Kulkarni, Mr. V. R. Bhoi, Mr. V. B. Patole, Ms. A. N. Sayyad, Mr. M. K. Kadam, Mr. R. T. Mali, Mr. Nadeem Anwar Completed a NPTEL online course "E-Content Development"
- II. Mr. P.D. jadhav, Mr. R. R. Vardhaman, Mrs. K. R. Jadhav Completed a NPTEL online course on "Programming in Python"
- III. Mr. K. L. Bhoite, Mr. T. S. Mandtrekar, Mr. S. A. Kale Completed a AICTE online workshop on "Universal Human Values -I"
- IV. Dr. A. M. Deshmukh Completed a NPTEL online course on "Patent Drafting for Beginners"
- V. Mr. E. M. Reddy and Dr. A. M. Deshmukh, Mr. K. D. Kulkarni, Mr. V. R. Bhoi completed a FDP on NEP 2020 Orientation & Sensitization organized by UGC -Malaviya Mission Teacher Training Centre
- VI. Mr. A. S. Bodhe and Mr. V. R. Bhoi Completed a NPTEL online course on "EV - Vehicle Dynamics and Electric Motor Drives"
- VII. Mr. K. L. Bhoite Completed a NPTEL online course on "ADDITIVE MANUFACTURING TECHNOLOGY"
- VIII. Ms. S. S. Patil Completed a one week workshop on "Advance Linear Algebra " organized by Continuum Math Society, NIT Jamshedpur
- IX. Mr. M. K. Kadam completed a one week ATAL FDP on "Building Data Analytics Applications with Cloud" organized by AICTE
- X. Mr. K.L. Bhoite completed a one week FDP on "COMPUTER AIDED ENGINEERING ANALYSIS USING ANSYS" organized by VIIT Pune in association with Brigadier Academy Pune.
- XI. Dr. S. V. Mundhe and Mr. S. D. Hade completed a FDP on "Creators of Metaverse" organized by AICTE
- XII. Ms. A. N. Sayyad and Mr. R. T. Mali Completed a NPTEL online course on "ICT In Teaching and learning"
- XIII. Mr. M. D. Bandkar Completed one week FDP on "Universal Human Values-II" organized by AICTE
- XIV. Mr. A. M. Kulkarni attended one week STTP on "Indian Knowledge System" organized by APCOER in association with ISTE
- XV. Dr. S. V. Mundhe, Mr. R.T.Mali, Mr. R.R.Vardhaman, Dr. B. M. Vyas, Mr. Nadeem Anwar completed one week FDP on "Innovative Pedagogical Practices and ICT Enabled Teaching Learning" organized by PICT Pune in association with NITTTR Bhopal
- XVI. Mr. P. S. Patil attended one week International Faculty Development Program on "Applications of Mathematics in Various Fields with Innovative Approaches" organized by Department of Mathematics Bapatla Engineering College
- XVII. Mr. P. S. Patil attended two week Instructional Schools for Teachers on "Advanced Linear Algebra" organized by National Centre for Mathematics, a joint Centre of IIT Bombay and TIFR, Mumbai
- XVIII. Mr. P. S. Patil attended two week Faculty Development Program on "Modern Trends of Design Thinking, Sciences and Professional Skills in Engineering" organized by MIT Academy of Engineering.
- XIX. Mr. M. K. Kadam attended a two week STTP on "Train the Trainer on Artificial Intelligence" organized by CDAC Pune.
- XX. Dr. P. G. Umape attended a one week STTP on "Recent Developments in Advanced Materials" organized by K. J. College of Engineering
- XXI. Mr. Nadeem Anwar attended a FDP on "Workshop on Mathematical Projects" organized by Bhaskaracharya Pratishtana, Pune
- XXII. Mr. K. L. Bhoite attended one week FDP on "Recent Advances in Mechanical Engineering (RAME-23)" organized by DR. D. Y. Patil Institute of Technology, Pimpri, Pune

PICT Automobile Club (PAC) TorqScrew:



The PICT Automobile Club, established in 2021, is rapidly gaining recognition in motorsports with its Go-Karting team, TorqScrew. Despite being a newcomer, TorqScrew has quickly made a name for itself in the electric category. This year, the team is gearing up for the Indian Karting Race (IKR-2024), organized by the Imperial Society for Innovative Engineers. As one of India's premier electric go-karting events, IKR-2024 will challenge teams to demonstrate innovation and excellence in both technical and driving skills. With a focus on sustainability and clean energy solutions, TorqScrew is determined to showcase their electric kart and make a strong impact, continuing to elevate PICT Automobile Club's status on the national stage.



Field Visit



As a academic part of the subject Systems in Mechanical Engineering First Year Engineering Department organized a field visit for the students at Science Park Pimpri Chinchwad on 20/10/2023. This visit was helpful for the students to understand the working models of various automobile systems. Pimpri Chinchwad Science Park is one of the latest tourist attraction and activity based Science Centre of Pune region



Savitribai Phule Pune University Result 2023-24



- > PICT tops SPPU Examination with highest number of distinction holders.
- > 90.34% students have cleared SPPU examination in distinction grade.
- > 93.45 % students have cleared SPPU examination

