

First Year Engineering Newsletter



FE Welcome Address and Student Induction Program

A Student Induction Program was organized to familiarize fresher students with institution, its facilities, resources, policies, and culture. The primary goal of a Student Induction Program was to help incoming students transition smoothly into their new academic environment, so they feel comfortable, informed, and prepared to begin their studies.

FE Welcome Address and Orientation Program was organized on 21/11/2022 for fresher students and their parents and they were addressed by Director Dr. P. T. Kulkarni, Principal Dr. S. T. Gandhe and HoD FE Mr. E. M. Reddy to put insights on the College activities.

Student Induction Program was organized from 22/11/2022 to 26/11/2022. Key components of SIP 2022-23 included Welcome Address, Campus Tour, Academic information, Student Services, Administrative Procedures, Library and Research Information, Technology & IT Services and its availability, Safety & Security Information, Student organisations and Clubs, sessions on Universal Human Values, etc.



Publications (Research Papers and Patents):



- > Dr. S. T. Gawhale Published a research paper on "Facile green synthesized C-4-Hydroxy-3-methoxyphenylcalix[4] Resorcinarene (CHMPCR) for photometric sensing of Fe³⁺ and Cu²⁺ ions" Vol 1280 (2023), Journal of Molecular Structure, ISSN 0022-2860
- > Dr. A. M. Deshmukh Published a research paper on "Design and development of an adequate ventilation system to preserve freshly harvested onions" Volume 72, Issue 3 (2023), Materialstoday Proceedings, ISSN 2214-7853
- > Dr. S. T. Gawhale Published a research paper on "Moxifloxacin embedded p-Sulfonatocalix[6]arene: Multispectroscopic" Volume 72, (2023), Journal of Molecular Liquides, ISSN 0167-7322
- > Mr. N. P. Sapkal Published a research paper on "Experimental study of heat transfer in a helical coiled tube biomass fired rotary device" Volume 8, Issue 6, Journal of Thermal Engineering, ISSN 2148-7847 (2014)
- > Mr. H. S. Masal Published a research paper on "Watson's addition formula and q series" Volume 1, Issue 1, Indian Journal of Pure and Applied Mathematics, ISSN 0975-7465
- > Mr. H. S. Masal has a research paper preprint on "Ramanujan Theta Function Identities and Quadratic Numbers" arXiv preprint, 2023
- > Mrs. K. R. Jadhav Published a research paper on "Quality Management offshore structures" Volume 9 issue 2, IJRAR, ISSN 2348-1269
- > Mr. R. R. Vardhaman and Mr. N. A. Shete Published a research paper "Cost Effective Improvement of Bitumenous Pavement using Polymers, Poly-Phosphoric Acid and Industrial Waste" Volume 11, Issue 12, ISSN 2278-0181, International Journal of Engineering Research & Technology (IJERT), ISSN 2278-0181
- > Mr. K. L. Bhoite Published a research paper on "Assessment of Steering Knuckle by DFMAE Method" Volume 9 Issue 2, International Journal of Advance Research, Ideas and Innovations in Technology, ISSN 2454-132X
- > Mrs. Usha Polina Presented a Research Paper on "Performance analysis of NiO-based perovskite solar cell model" in an International Conference organized by Velalar College of Engineering and Technology, Erode, Tamilnadu
- > Dr. A. M. Deshmukh has been Granted a Patent on "MIST NOZZLE AND METHOD OF MAKING THE SAME" Application No. 2035/MUM/2015, Patent Granted Number 415985

Webinars on Intellectual Property Rights:



Dr. A. M. Deshmukh organized series of Webinars on Intellectual Property Rights.

- I. Intellectual Property Rights (IPR) & Patents and Design filing by Mr. Nirmalya Sinha, Jt. Controller of Patents & Designs, Under this workshop Institute Received certificate of appreciation in recognition of active participation in the National Intellectual Property Awareness Mission (NIPAM) launched by the Government of India on the occasion of the 75th anniversary of independence under the banner "Azadi Ka Amrit Mahotsav" to create widespread awareness on Intellectual Property Rights (IPR).
- II. Intellectual Path Journey from Idea to Patent by Mr. Anil Omanwar, Inventor, AI Expert, IBM Australia
- III. Awareness Session on IPR and its Importance by Mrs. Latika Khanduja Founder and Director of IPloea
- IV. Intellectual Property Right and IP Management by Dr. Avinash M. Deshmukh Assistant Professor, SCTR's Pune Institute of Computer Technology

Guest Lectures and Workshops (Organized/Delivered)

- ◆ First Year Engineering Department organized an expert session on "River Pollution: Causes, Actions and Revival" in order to make students aware about the environmental issues. Dr. Praktan Wadnerkar, an Environment and Sustainability Officer, at Maitland City Council, Australia.
- ◆ Mr. Hemant S. Masal delivered a lecture in Students Seminar Series on the topic "Ramanujan Theta Functions and Quadratic Numbers" organized by Savitribai Phule Pune University for the students of PhD
- ◆ Mr. Pankaj S. Patil delivered a lecture on the topic "How to write Exam Paper of Engineering Mathematics-I" organized by PK Technical Institute
- ◆ Mr. V. B. Tanpure delivered a lecture on "Google Pagerank Algorithm" at One Week ISTE Approved Online STTP On "Applications of Mathematical Modelling in Science & Engineering" organized by K J College of Engineering and Management Research
- ◆ Mr. V. B. Tanpure delivered a lecture on "SVD-PCA, Image Recognition, Google Pagerank Algorithm" at Workshop on Projects using Machine Learning organized by Department of Mathematics, SPPU Pune
- ◆ First Year Engineering Department organized workshops on "Indian Judiciary System & Constitution of India" on dates 10/09/2022 and 21/06/2023



Certificate Courses 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 two certificate courses of 52 Hours duration each, along with Industry experts on "3D Printing with SOLIDWORKS". Mr. Sanket Kubade Managing Director at Sulptq delivered a session on "3D Printing Technology and Reverse Engineering". Around 26 students from various engineering colleges in Pune registered and successfully completed this course.



PICT Automobile Club:

PICT Automobile Club's Team Torqscrew Participated in a FKDC (Formula Kart Design Challenge) organized by FMAE (Fraternity of Mechanical and Automotive Engineers) India. This was the first time that the team Torqscrew participated in any automobile competition at national level, still they stood first in the cost category and runner up in the design category.



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 14/01/2023. 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



Certificate Courses:

- I. Mr. E. M. Reddy successfully completed a IUCEE International Engineering Educator Certification Program”, organized by IUCEE (Indo Universal Collaboration for Engineering Education)
- II. Dr. S. V. Mundhe, Ms. A. N. Sayyad, Mr. V. A. Manmode completed NPTEL online certificate course “Engineering Graphics and Design”.
- III. Mr. V. B. Tanpure completed NPTEL online certificate course on “Applied Linear Algebra in AI and ML

STTP and Faculty Development Programs Attended :

To upgrade the knowledge and skill, faculty are always encouraged to participate in FDPs and STTPs. In AY 2022-23 FE faculty have participated in over 80+ Faculty Development Programs and STTPs organized at National Level by various bodies like AICTE, ATAL Academy, IITs, etc.

Savitribai Phule Pune University Result 2022-23

- > PICT tops SPPU Examination with highest number of distinction holders.
- > 71.6 % students have cleared SPPU examination in distinction grade.
- > 92.76 % students have cleared SPPU examination
- > Ms. Mahi Shah scored 10/10 SGPA.

