



AISSMS

INSTITUTE OF INFORMATION TECHNOLOGY [I.O.I.T.]



ADDING VALUE TO ENGINEERING

An Autonomous Institute Affiliated to Savitribai Phule Pune University
Approved by AICTE, New Delhi and Recognised by Govt. of Maharashtra
Accredited by NAAC with "A+" Grade | NBA - 5 UG Programmes

NEWS LETTER 2024-25

Department of Engineering Sciences

Vision

To be recognized amongst top 10 private engineering colleges in Maharashtra by the year 2026 by rendering value added education through academic excellence, research, entrepreneurial attitude and global exposure.

Mission

1. To enable placement of 150 plus students in the 7 lacs plus category & ensure 100% placement of all Eligible final year students.
2. To connect with 10 plus international universities, professional bodies and organizations to provide global exposure to students.
3. To create conducive environment for career growth, prosperity, and happiness of 100% staff.
4. To be amongst top 5 private colleges in Pune in terms of admission cut off.

STAFF HIGHLIGHTS

➤ Mr. S. V. Arlikar published a patent titled 'System for Preventing Punctures in Tyres of a Vehicle.'

➤ Mr. N. P. Bhone published a patent titled 'Geo-polymer Concrete Reinforcement Frame.'

➤ Mr. N. P. Bhone published a patent titled 'Machine Learning-Driven Adaptive Energy Management for Solar IOT Nodes using Evolutionary Fuzzy Rules.'

➤ Dr. Nidhi Sharma published a patent titled 'Nano Silver Anti-Bacterial Ceramic Water Filter.'

➤ Dr. D. S. Shelar published a patent titled 'Advanced Iot And Machine Learning Solutions For Sustainable Groundwater Management Using Fuzzy-Integral N-Transform.'

➤ Mr. P. B. Shinde published a patent titled 'Machine Learning-Driven Adaptive Energy Management For Solar Iot Nodes Using Evolutionary Fuzzy Rules.'

➤ Dr. Manisha Raghuvanshi published a patent titled 'Nano Silver Anti-Bacterial Ceramic Water Filter.'

➤ Mr. Nitin P. Bhone published a book titled 'Strength of Materials.'

➤ Mr. P. B. Shinde published a book titled 'Linear Algebra and Differential Calculus.'

Induction Program 2024-25



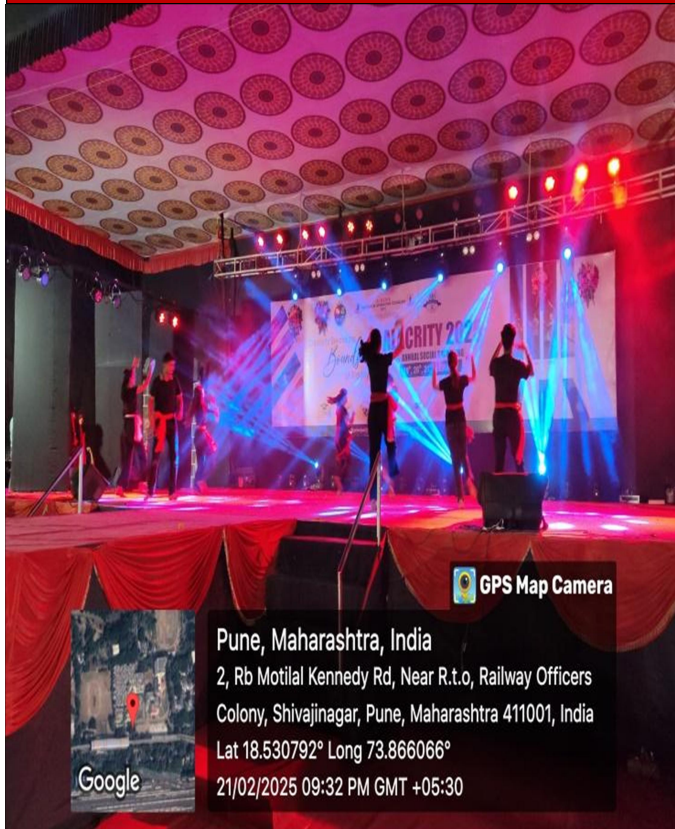
All India Shri Shivaji Memorial Society's Institute of Information Technology successfully conducted a Welcome and Motivational Session on 13th September 2024 as part of the Induction Program. The program was organized in two sessions. Mr. Kushal Shah, Vice President – VOIS (Networking), was the Chief Guest for the morning session, and Mr. Anubhav Mishra, Senior AVP of Data Engineering and Analytics at EXL Services (Data Division – Clairvoyant), Pune, was the Chief Guest for the afternoon session. Honorary Joint Secretary Shri Suresh Pratap Shinde and Honorary Treasurer Mr. Ajay Patil were present at the event. The event was coordinated by Prof. S. V. Arlikar and Dr. N. V. Sharma.

UNDER - 25



DESSA organized the Under 25 event on December 24, 2024, at MPH, featuring inspiring sessions by Ms. Yashashree Rao and Mr. Asmay Patil on personal development, leadership, and creativity.

Cultural Activity - Skit



The first-year students participated in the Annual Gathering held on 21st February 2025.

Women's Day Celebration



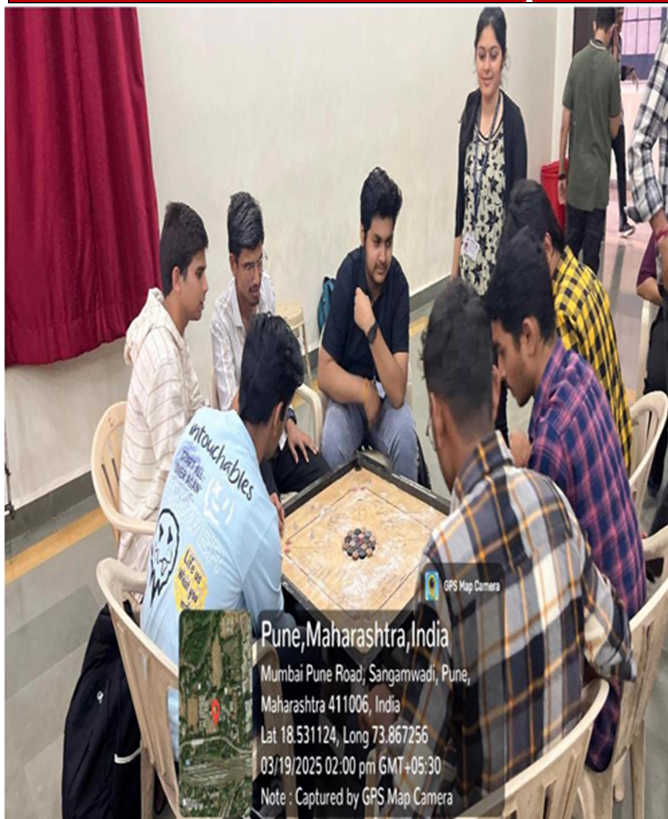
Celebrating the Strength, Inspiration, and Achievements of Women – Women's Day was celebrated at AISSMS IOIT on 11th March 2025.

BGMI EVENT



BGMI Event Successfully Concluded at AISSMS IOIT on 13th March 2025

Sports Competition



Indoor Sports



Outdoor Sports

Treasure Hunt Event



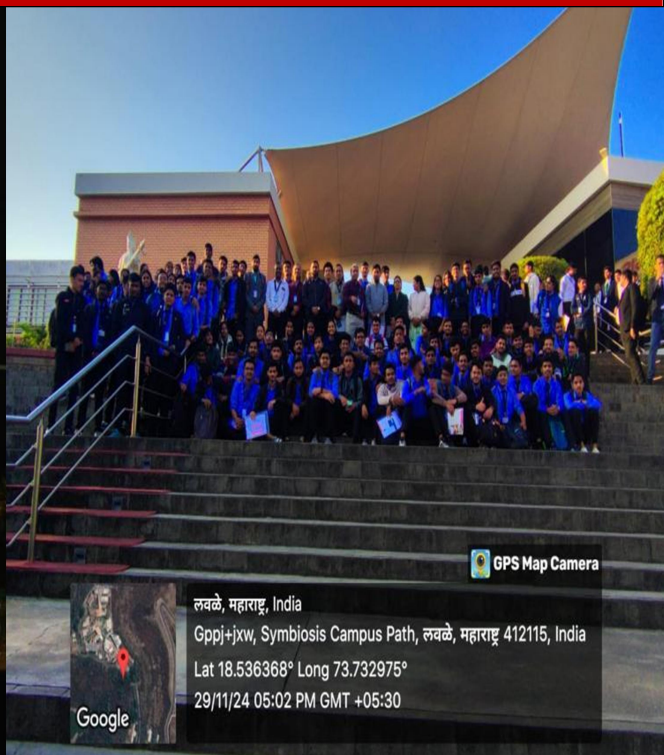
Treasure Hunt Event Successfully Concluded at AISSMS IOIT on 30th April 2025.

National Level Project Competition



AISSMS IOIT, Pune hosted the National Level Project Competition & Prize Distribution Ceremony for first-year engineering students on 9th May 2025.

Industrial Visit



Visit to SIDTM, Lavale



Visit to DIPEX 2025

Journal Publications

Sr. No.	Name of the Teacher/author	Title of the Paper	Name of the Journal/ Proceeding/ Edited Books	Volume	Year of Publication	ISBN/ISSN No.
1	Mr.Amol More	Harnessing IoT for Enhanced Industrial Efficiency: A Review of IoT-Enabled Motor Monitoring and Control Systems	International Journal of Engineering Research & Science (IJOER)	10	2024	ISSN: 2395-6992
2	Mr.Amol More	Investigation of Heat Transfer Enhancement Techniques in Microchannel Heat Sinks	Nanotechnology Perceptions	20	2024	ISSN: 1660 - 6795
3	Mr. Ashish Apate	Advancements in Multi-material Machining processes for fiber Metal laminates	Tuijin Jishu/Journal of Propulsion Technology	45	2024	ISSN: 1001- 4055

		Comprehensive Review				
4	Dr. P. G. Musrif	Optimizing flexural properties in PP/Sisal/PMA bio-composites by response surface methodology	Springer Nature link	245	2024	-
5	Dr. P. G. Musrif	Quantum Machine Learning: Bridging the Gap Between Classical and Quantum Computing	Journal of Electrical Systems	20	2024	ISSN: 1112-5209
6	Mr. Nitin P. Bhone	Development and design of a carbon fiber insole intended for individuals with partial foot amputation	AIP ADVANCES	14(10)	2024	ISSN: 2158-3226
7	Dr Poonam Kaswan	Tellurelated Compounds: Synthesis and Application in Ion Detection and as a Catalyst	Synlett	35	2024	ISSN: 1437-2096
8	Mr. Ashish Apate	Optimization of Layered Hybrid Laminates Using ANSYS for Enhanced Tensile Properties and Performance Analysis	Ssg International Journal of Mechanical Engineering	12(1)	2025	ISSN: 2348-8360
9	Dr. Nitin P. Bhone	Performance Assessment of Radiator using Various Combinations of Nano fluids as Coolants	Applied Chemical Engineering	7(4)	2025	ISSN: 2578-2010
10	Dr. Manisha Raghuvanshi	A comparative study of interaction and instabilities in solid state plasma using classical and quantum hydrodynamics models	JETIR	12(4)	2025	ISSN: 2349-5162

Resource Person			
Sr. No.	Staff Name	Date & Place	Details
1	Mr. Amol More	13/01/2024,KV2,AFS Pune	Expert Lecture Conducted on Problem Based Learning at PM Shri Kendriya Vidyalaya No 2 AFS,Pune
2	Dr. D. S. Shelar	16/12/2024 to 20/12/2024 ,IEEE Communication Society & AISSMS IOIT PUNE	EXPERT SESSION on Symposium on Emerging trends on 6G technology
3	Mr Mahesh Nigade	07/04/2025 to 11/04/2025 AISSMS CNC Training Centre	Expert Session on CNC and VMC machining to AISSMS ITI Students
4	Mr Ashish Apaté	10/04/2025 AISSMS CNC Training Centre	Expert session on AutoCAD for AISSMS ITI students.
5	Mr, N. D Gaikwad	14/01/2025 PM SHRI , KV2,AFS Pune	Conducted Expert Lecture on “Innovations Skills” at PM Shri Kendriya Vidyalaya No 2 AFS,Pune

List of Faculty Members who organized Course / Seminars / Workshops/STTP etc					
Sr. No.	Branch	Event	Name of Staff	Date	Organized by
1	Engineering Sciences	Capacity Building Program in Cyber Security & Its Investigation	Prof Gaurav Rawal (National level cyber security expert)	02/09/2024 to 06/09/2024	AISSMS IOIT
2	Engineering Sciences	Landscape Designing	Mr. M. B. Nigade Dr. Y. P. Patil Mr. A. S. Apaté Mrs. G. N. Mawale Mr. A. H. Raheja	18/05/2024 to 06/10/2024	AISSMS IOIT and SIILC
3	Engineering Sciences	Career Guidance Seminar - Overseas Education, Scholarships and Job Opportunities	Mrs R. L. Nanaware	06/09/2024	FYB-Tech Classess Study Circle and Canom Abroad Study,Pune

List of Faculty Members who attended Course / Seminars / Workshops/STTP etc					
Sr. No.	Branch	Name of Staff	Event	Organized by	Date and Event
1	Engineering Sciences - Engineering Physics	Dr. P. G. Musrif	Seminar on AI in Education	ICFAI Pune	13/08/2024
2	Engineering Sciences - Mechanical Engineering	Mr. Ashish Apaté	Indian Knowledge Systems Workshop	SPPU Pune	27/09/2024 to 28/09/2024
3	Engineering Sciences	Dr Nidhi Sharma	Faculty Induction Programme under the Malaviya Mission Teacher Training Programme (MM-TTP)	Malaviya Mission Teacher Training Centre (MM-TTC), Rani Durgawati Vishwavidyalaya, Jabalpur, MP	02/09/2024 to 28/09/2024
4	Engineering Sciences	Dr Nidhi Sharma	International Research Conclave	We Grow Pvt. Ltd.	30/08/2024 to 31/08/2024
5	Engineering Sciences	Dr Nidhi Sharma	AI for Sustainable Development	VIIT Pune	05/08/2024 to 09/08/2024
6	Engineering Sciences	Mr. Ashish Apaté	Exceling with Mathematical Modeling	NPTEL	21/07/2024 to 27/10/2027
7	Engineering Sciences - Mechanical	Mr. Amol More	FDP on “ADVANCED ARTIFICIAL INTELLIGENCE(AI)	Sanjivani College of Engineering Kopargaon,	21/10/2024 to 26/10/2024

	Engineering		TECHNIQUES & MATLAB INTEGRATION”	Ahmednagar	
8	Engineering Sciences - Mechanical Engineering	Mr. Amol More	Question Paper Design for Outcome-Based Curriculum	NITTTR Bhopal	22/07/2024 to 26/07/2024
9	Engineering Sciences - Mechanical Engineering	Mr. Amol More	AICTE Recognized Faculty Development Programme on 3D and 4D Printing	NITTTR, Chandigarh	19/08/2024 to 23/08/2024
10	Engineering Sciences - Mechanical Engineering	Mr. Amol More	One day Syllabus Implementation workshop on “Engineering Graphics-2024 Course”	Board of Studies, Mechanical Engineering, Savitribai Phule Pune University, Pune	10/08/ 2024
11	Engineering Sciences - Mechanical Engineering	Mr. N. P. Bhone	Attended Faculty Development Programme “ CAD USING SOLIDWORK”	Organized by Mechanical Engineering NITTTR , Chandigarh	15/07/2024 to 19/07/2024
12	Engineering Sciences - Mechanical Engineering	Mr. N. P. Bhone	Attended One Week Online FDP on “ National Education Policy 2020”	Organized by D.Y.PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE - 411044	24/06/2024 to 28/06/2024
13	Engineering Sciences - Mechanical Engineering	Mr, M. B. Nigade	Attended 21 Week online training session on Landscape designing	Organized by AISSMS IOIT and SIILC Pune	18/05/2024 to 06/10/2024
14	Engineering Sciences -Civil Engineering	Mr V. D. Deshmukh	One day faculty orientation workshop on engineering mechanics in context of NEP-2020	AISSMS COE PUNE	23/08/2024
15	Engineering Sciences -Civil Engineering	Mr V. D. Deshmukh	ONLINE SHORT-TERM TRAINING PROGRAMME On “Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering”	Indian Society for Technical Education & IGS Pune Chapter organized by Department of Civil Engineering, ABMSP’s Anantrao Pawar College of Engineering & Research, Pune.	10/06/2024 to 14/06/2024
16	Engineering Sciences -Civil Engineering	Mr V. D. Deshmukh	One-week FDP on Coastal Engineering: Comprehensive insite for on site solution	Department of Civil Engineering, Dr. D. Y. Patil institute of technology, Pune	02/09/2024 to 06/09/2024
17	Engineering Sciences -Civil Engineering	Mrs.R.L.Nanaware	One day faculty orientation workshop on engineering mechanics in context of NEP-2020	AISSMS COE PUNE	23/08/2024
18	Engineering Sciences -Civil Engineering	Mr. A. H. Raheja	One day faculty orientation workshop on engineering mechanics in context of NEP-2020	AISSMS COE PUNE	23/08/2024
19	Engineering	Mr. A. H. Raheja	5 Days Online Faculty	Department of Civil	30/09/2024 to

	Sciences -Civil Engineering		Development Program (FDP) on - Next Gen. Civil Engineering: 2024 Insights	Engineering PCCOE&R, Ravet, Pune.	04/10/2024
20	Engineering Sciences - Engineering Mathematics	Mr. P. B. Shinde	Exceling With Mathematical Modeling(FDP)	NPTEL	21/07/2024 to 27/10/2027
21	Engineering Sciences - Engineering Physics	Dr. Manisha Raghuvanshi	Exceling With Mathematical Modeling	NPTEL	21/07/2024 to 27/10/2027
22	Engineering Sciences	Dr Nidhi Sharma	Attended One Week ATAL FDP on “ A Research Centric Approach for Developing Innovative Applications using AI Tools and Technologies”	NRI INSTITUTE OF TECHNOLOGY	20/01/2025 to 25/01/2025
23	Engineering Sciences	Dr Nidhi Sharma	Attended One Week ATAL FDP on “ Global Scenario of Sustainable Energy and Climate Change	PIMPRI CHINCHWAD EDUCATION TRUST'S PIMPRI CHINCHWAD COLLEGE OF ENGINEERING AND RESEARCH	27/01/2025 to 01/02/2025.
24	F E Mechanical	Dr. Nitin P. Bhone	Attended One Week ATAL FDP on “ Biomedical Signal Processing and AI-ML”	SSGMCE, Shegaon	16/12/2024 to 21/12/2024
25	Engineering Sciences	Dr. D. S. Shelar	Recent Development in Applied and Pure Mathematics	Indore Institute of Technology and IMS	23/12/2024 28/12/2024
26	Engineering Sciences	Mr. N. A. Shaikh	Smart Manufacturing: The Confluence of Automation and Intelligence	Department of Mechanical Engineering, SEMR, D Y Patil International University, Akurdi, Pune	16/12/2024 to 20/12/2024
27	Engineering Sciences	Dr.Manisha Raghuvanshi	39 th national symposium on plasma science & technology(PLASMA 2024)	PSSI & PDEU	17/12/2024 to 20/12/2024
28	Engineering Sciences	Mr. A. H. Raheja	FDP on “Advances in Engineering and Technology”	Department of Mechanical Engineering, VACOE, Ahilyanagar.	10/02/2025 to 14/02/2025
29	Engineering Sciences	Mr. A. H. Raheja	2- credit course in Research and Publication Ethics	SPPU, Center For Publication Ethics, Pune	17/02/2025 to 22/03/2025
30	Engineering Sciences	Mr. A. H. Raheja	One week FDP on Rule of Artificial Intelligence and Automation in Civil Engineering	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune.	24/03/2025 to 28/03/2025

Industry Institute Interaction

Sr. No.	Date of visit	Class	Company	No. of staff/students visited	Organised By
1	20/12/2024	FY E&Tc	Westin Enterprises	70	Mr. N D Gaikwad

2	20/12/2024	FY E&Tc	SETCO Spindles	70	Mr. N D Gaikwad
3	12/03/2025	FY Btech and Elect.PQ Cell staff	Pinnacle Engineering Solutions	200	Mr. N D Gaikwad
4	04/04/2025	All FYBTech	DIPEX- Innovative Project exhibition	600	Mr. N D Gaikwad
5	25/02/2024	All FY-BTECH	MSME DEFENCE EXPO.	350	Mr. N D Gaikwad

Expert Lecture

Sr. No.	Department	Date	Activity Details Topic	Speaker/ Judge	Organizer/ Staff Co coordinator / Student Coordinator
1	First Year Engineering	17/12/2024	Expert Lecture on “Corrosion Control at TPS”	P. G. Mahajan TPS, Junior Chemist, Water treatment Plant, Bhusawal.	Dr. Nidhi Sharma
2	First Year Engineering	19/12/2024	Expert Lecture on “Engineering Physics”	Mr. Kartik Mehta HSBC Head Retail of Banking Engineering	Dr. P. G. musrif
3	First Year Engineering	21/12/2024	Expert Lecture on “Engineering Drawing with CAD Tools & Industrial application”	Mr. Vipin Chopade	Mr. A. J. More
4	First Year Engineering	22/12/2024	Expert talk on “ Vehicle Design and Safety “	Mr. Nikhil D. Patil Lead Engineer, Tata Auto comp System ltd, Pune	Dr, Nitin P. Bhone
5	First Year Engineering	05/04/2025	Expert Lecture on “Techniques in Python Programming”o	Mr. Pratik Mule	Ms. S. C. Rathod
6	First Year Engineering	08/04/2025	Expert Lecture On “Basic Mechanical Engineering”	Mr. Tushar Pawar, Plant Head, Dhruve Industries, Bhosari, MIDS Pune	Mr. A. J. More
7	First Year Engineering	23/04/2025	Expert Lecture on “Engineering Physics”	Mr. Adrian Mendis Director, QuestionPro Solution Pvt Ltd	Dr. P. G. musrif
8	First Year Engineering	29/04/2025	Expert Lecture on “ Indian Knowledge System (IKS) NEP 2020”	Dr. Pradip Apte Department of Economics FC college, Pune	Dr. N. P. Bhone
9	First Year Engineering	02/05/2025	Expert Lecture on “Industry Academia Linkage in Chemistry”	Mr. Vikas Godbole Asst Manager, Serum Institute of India Pvt Ltd	Dr. Nidhi Sharma

Departmental Activities

Sr. No.	Department	Name of the Staff	Date	Details of activities performed
1	Engg. Sciences	Mr. Ashish Apte	18/12/2024	Valorant Official Anthem Launch
2	Engg. Sciences	Mr. Ashish Apte	24/12/2024	UNDER 25
3	Engg. Sciences	Mr. Ashish Apte	20/02/2025	Art Exhibition
4	Engg. Sciences	Mr. Ashish Apte	19/02/2025 20/02/2025 21/02/2025	Reel Competition
5	Engg. Sciences	Mr. Ashish Apte	21/02/2025	Skit
6	Engg. Sciences	Mr. Ashish Apte	28/02/2025	DESSA Inauguration
7	Engg. Sciences	Mr. Ashish Apte	11/03/2025	Women’s Day Celebration

8	Engg. Sciences	Mr. Ashish Apaté	13/03/2025	BGMI Event
9	Engg. Sciences	Mr. Ashish Apaté	19/03/2025	Indoor Sports Competition (Carrom and Chess)
10	Engg. Sciences	Mr. Ashish Apaté	23/03/2025 24/03/2025 25/03/2025	Outdoor Sports Competition (Basketball and Volleyball)
11	Engg. Sciences	Mr. Ashish Apaté	30/04/2025	Treasure Hunt Competition (Using Clues)

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