Department of Electronics and Telecommunication Engineering

ABHIYANTRIKI

Departmental Bi Annual Newsletter 2023-24

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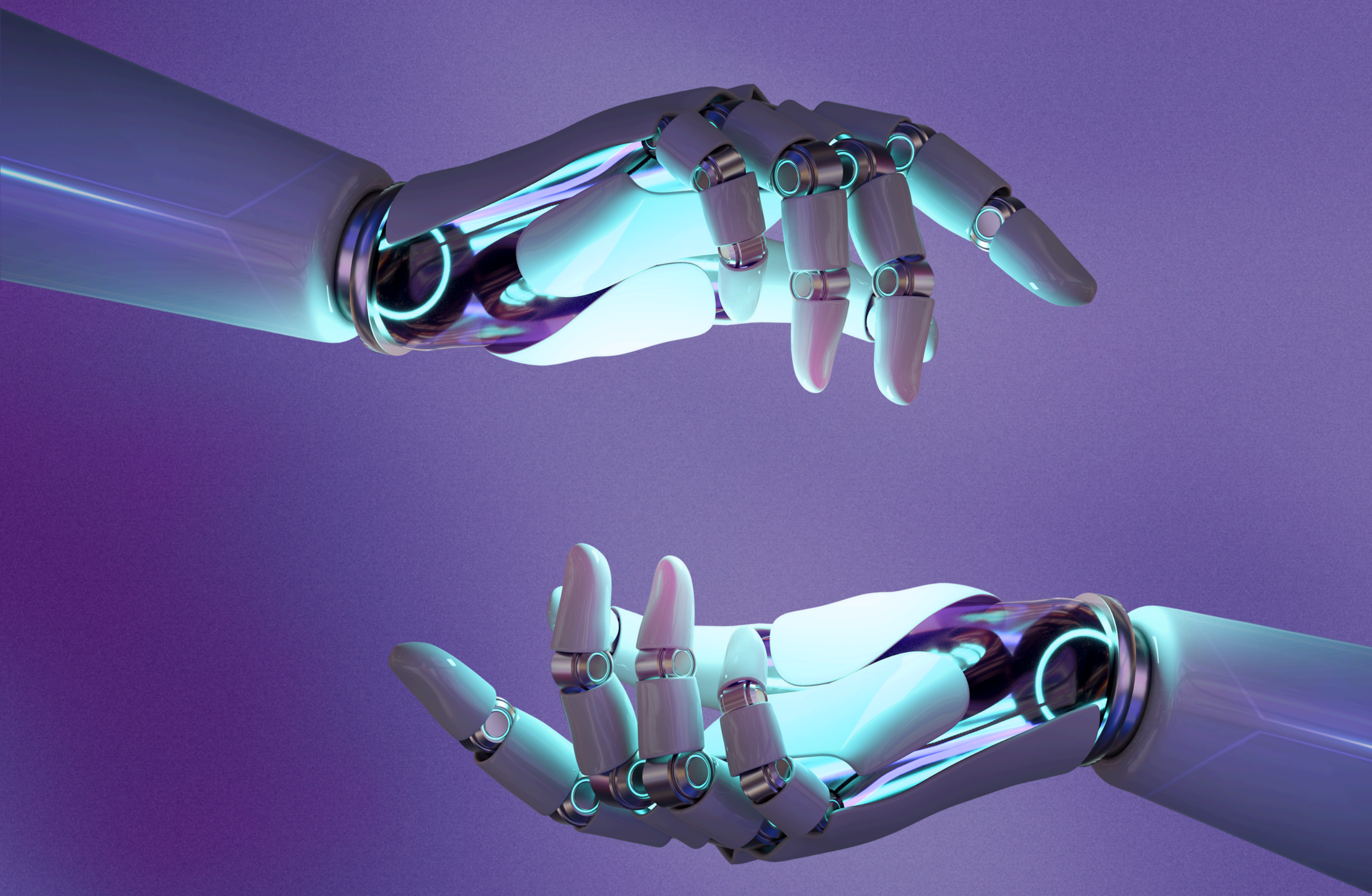JANUARY TO JUNE 2024

SOMAIYA
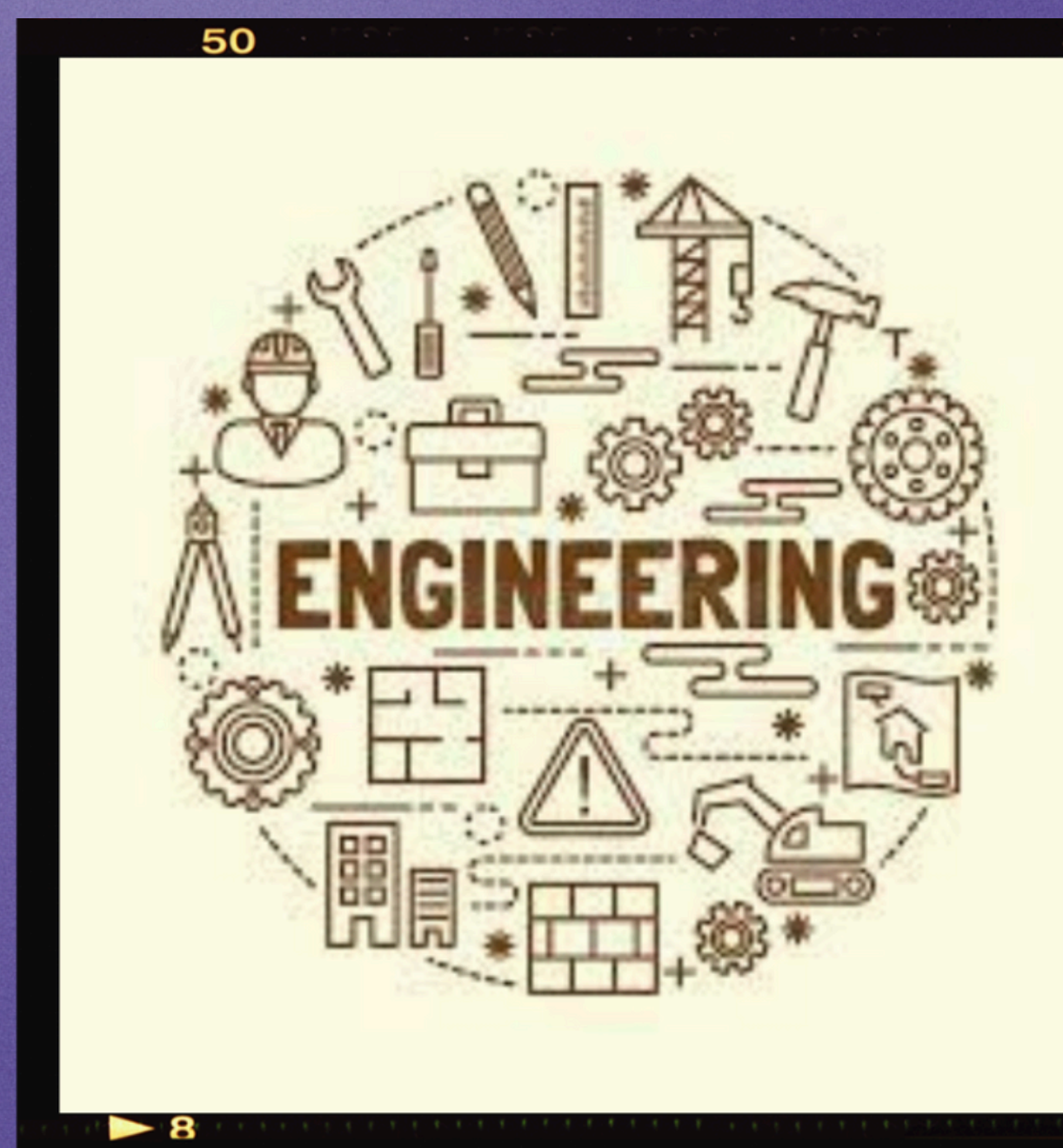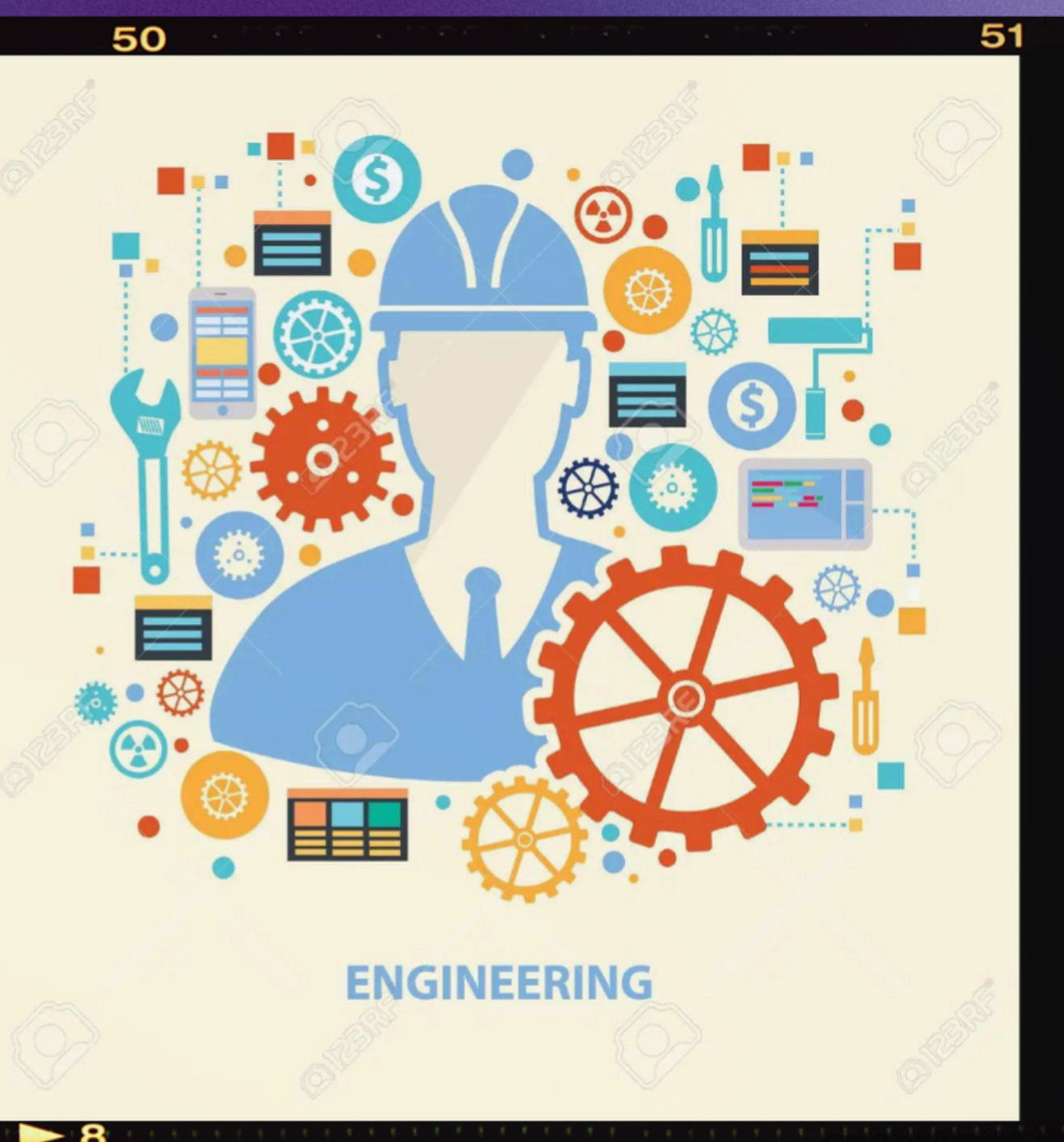**VIDYAVIHAR**

Knowledge Alone Liberates

K J Somaiya Institute of Engineering & Information Technology
An Autonomous Institute affiliated to University of Mumbai
Accredited by NAAC and NBA, Approved by AICTE, New Delhi

Department of Electronics and Telecommunication Engineering

OBJECTIVE OF THIS NEWSLETTER

EXPLORE THE UNEXPLORED!

The purpose to publish a bi-annual e-newsletter is to broadcast the activities and developments of the department. Achievements of the staff, students and alumni, events organized by the department are mentioned in this as well. Participation of staff and students in various events such as workshops, seminars, FDP, conferences and research activities are also mentioned. Success stories of participation in competitions and prizes won by the faculties and students are also depicted. This newsletter is the platform for projecting overall activities and achievements of the department every half yearly.

Department of Electronics and Telecommunication Engineering

VISION OF THE DEPARTMENT: -

To be recognized as a department of excellence that produces committed, responsible and skilled telecommunication engineers.

MISSION OF THE DEPARTMENT:-

To achieve the Vision of the department following Mission statements are defined.

M1:-To offer quality training in Electronics and Telecommunication Engineering to groom students into successful professionals.

M2:-To instil the skills that enable students to design and implement the technical solution.

M3:-To inculcate ethical behavior, soft skills and team work in students.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS): -

PEO1: - Analyzing and applying engineering knowledge for solving engineering problems.

PEO2: - Demonstrating professional and ethical practices in the area of academia, research, career and entrepreneurship.

PEO3: - Applying the knowledge of engineering to solve societal and environmental problems as an individual or in a team.

PEO4:- Demonstrating effective oral and written communication skills and excellence in management and leadership

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Somaiya Vidyavihar

Department of Electronics and Telecommunication Engineering

Prof.Sandeep Mishra

Prof. Pranali Hatode

Prof. Sandeep Mishra and Prof. Pranali Hatode organised seminar in association with IEEE on 'E-Waste Management' delivered by: Ms. Bhavika Waghela on 21/02/2024 at KJSIT, Mumbai.

Image Clip of event_ E-Waste Management

Prof. Sandeep Mishra and Prof. Pranali Hatode organised seminar in association with IEEE on 'Cybersecurity for Women: Threats and Opportunities' delivered by Mr. Gaurav Batra on 01/02/2024 at KJSIT, Mumbai.

Prof. Sandeep Mishra and Prof. Pranali Hatode organised seminar in association with IEEE on 'Empower Her: A Journey to Financial Freedom' delivered by Ms. Pragya Singhal on 07/03/2024 at KJSIT, Mumbai.

Image Clip of event_ Empower Her: A Journey to Financial Freedom

Prof. Harshwardhan Ahire

Prof. Harshwardhan Ahire presented paper titled 'Non-Iterative MSNN Decoder for Image Transmission over AWGN Channel using LDPC' for an IEEE conference on Digital Signal Processing and its Applications, held in Moscow, Russia, from 27/03/2024 to 29/03/2024.

Dr. Sandhya Kadam

Dr. Sandhya Kadam coordinated annual festival event Udaan 2024 event at DLLE, University of Mumbai on 29/01/2024.

Dr. Sandhya Kadam organised street play in association with KJSIT- DLLE on 'Social Media' on 26/01/2024..

Dr. Sandhya Kadam and Prof. Sunil Patil organised guest lecture in association with Green Club on 'Climate Change and Water Conservation' delivered by Ms. Rashmi Joshi, an environment consultant on 30/01/2024 at KJSIT, Mumbai.

Dr. Kiran Rathod

Dr. Kiran Rathod attended conference on 'Wireless antenna microwave symposium' at Vishakhapattanam on 29/02/2024.

Dr. Kiran Rathod attended international conference on 'Technologies for energy agriculture, and healthcare' at Mumbai on 15/04/2024.

Image Clip of event_ Udaan 2024

Dr. Namrata Ansari

Dr. Namrata Ansari participated in 'Cyber Security Conclave 2024' from 01/03/2024 to 02/03/2024 organized by Ramrao Adik Institute of Technology, Navi Mumbai.

Dr. Namrata Ansari along with Mr. Chaitanya C Jadhav attended 5th International conference of emerging technologies (INCET), on 'Realtime Safety Helmet Detection Using Deep Learning', IEEE 2024 , Belagavi, Karnataka, India.

Dr. Namrata Ansari along with Chaitanya Jadhav attended second International Conference on Multidisciplinary research and Innovation ICMRI 2024.(Received Best Presenter -PG Student category Award), on the topic of 'Automatic Traffic Law Enforcement Leveraging AI for real time number plate recognition and owner identification'.

Dr.Namrata Ansari along with Mr. Rohit Bokade published paper in International Research Journal on Advanced Engineering Hub, `Vol.02 Issue:03 on the topic of 'Implementation of FFT based Convolutional Neural Networks on Medical Imagery for studying performance on 03/03/2024.

Prof. Swati Shinde

Prof. Swati Shinde published one chapter 'IOT based Fish Farming' in the book Digital Technologies for the Transformation of Aqua Farming in India.

Dr .Priya Hankare

Dr. Priya Hankare received outstanding women researcher award by the board of management of the Venus international foundation based on the VIWA 2024 expert committee report and apex committee recommendations at Chennai on 02/03/2024.

Dr. Priya Hankare presented paper in conference arranged by VIWA 2024 on the topic of , 'Early Breast Cancer Detection using Impedance Tomography' on 02/03/2024 at Chennai.

Dr. Priya Hankare arranged an expert talk on, 'Atom: A source to fuel sustainability' along with COPES cell and IETE in association with Department of EXTC, on 20/02/2024.

Dr. Priya Hankare organised 'Oscillations 2024 Technical Festival' from 21/03/2024 to 22/03/2024.

Dr. Priya Hankare invited as a Judge for 'ICAST 2024 and INTAKE 2024'.

Dr. Priya Hankare invited as a Judge for 'Technical Paper Presentation – OSCILLATIONS 2024' on 05/04/2024 at Vidyavardhini's College of Engineering and Technology in association with IETE Mumbai Centre and VCET student's chapters of IEEE, CSI, NSDC, ISHRAE, IETE, VMEA, and IGBC.

Dr. Priya Hankare invited as a session chair for 5th AICTE international conference on, 'Advances in Information Communication Technology and computing' on 29/04/2024.

Dr. Priya Hankare received excellence award for individual excellence in recognition of flattering merit excellent performance and outstanding contribution for the progress of nation and worldwide. This award is given from the Friendship Forum of India, New Delhi on 14/05/2024.

Dr. Priya Hankare, Dr. Kiran Rathod, Prof. Sandhya Deshpande, Prof. Amit Kukreja, Prof. Sandeep Mishra attended AICTE-ISTE approved two week STTP on 'Recent trends in AI, ML and IOT' during 12/06/2024 to 25/06/2024 organized by department of E & TC Engineering, SKNCOE (Smt. Kashibai Navale College of Engineering), Pune.

Dr. Priya Hankare and Prof. Martand Jha organised industrial visit on the topic of 'Embeded software at space and tech engineering LLP' with resource person Mr. Hrithik Mourya and Mr. Akash Gupta from 04/06/2024 to 21/06/2024 where 17 students participated for the same.

Prof. Rupali Satpute

Prof. Rupali Satpute participated in regional meet organized by Pillai HOC College of engineering on 06/02/2024.

Prof. Rupali Satpute attended industrial visit at ISRO, Bangalore from 06/01/2024 to 10/01/2014.

Prof. Rupali Satpute attended webinar on 'Opti system for optical communication and amplifier design simulation techniques' organised by IETE-Sf of KCCEMSR, Thane on 23/02/2024.

Prof. Rupali Satpute attended International conference on communications, computing and data science (IC-CCDS 2024) from 23/02/2024 to 24/02/2024 organised by Thakur College of Engineering and Technology, Kandivali (E), Mumbai.

Prof. Rupali Satpute published paper in International Research Journal on Advanced Engineering Hub (IRJAEH) ISSN: 2584-2137 titled 'Robotic Arm for Segregation Using Image Processing' on 04/04/2024.

Prof. Rupali Satpute published paper in international research journal of modernization in engineering technology and science (IRJMETS) with the project titled 'Multilingual Voice-GPT using Rasberry pi' on 04/04/2024.

Prof.Tilottama Dhake

Prof. Tilottama Dhake and Prof. Martand Jha organised online international level one-week student workshop on 'Data Science Using Python' from 19/02/2024 to 23/02/2024 where 174 colleges and 66862 students participated.

Prof.Prashant Upadhyay

Prof. Prashant Upadhyay successfully completed FDP on 'Machine learning' with the score of 61% organised by NPTEL.

Prof. Sandhya Deshpande

Prof. Sandhya Deshpande organised industrial visit at ISRO on 09/01/2024 for all department's students.

Prof. Sandhya Deshpande organised industrial visit at TIFR on17/02/2024 .

Image Clip of event_ TIFR

Prof. Sandhya Deshpande organised expert talk at NPCIL on 20/02/2024.

Prof. Sandhya Deshpande organised NDA visiton 25/02/2024 .

Prof. Sandhya Deshpande organised Maharashtra cyber police cell internship for six months and 4 students participated for the same.

Prof. Sandhya Deshpande organised internship at Nehru planetarium for 90 hour and 5 students participated for the same.

Prof. Sandhya Deshpande received letter of appreciation for her dedication and commitment for conducting industrial visit at ISRO, TIFR, NPCIL, NDA, guest lecture and internship in government organisation on 23/04/2024.

Prof. Sandhya Deshpande organised Summer internship in association with COEP Cell for all department students at 'Kurla Carshed EMU section (Central Railway)' from 01/06/2024 to 15/06/2024.

Image Clip of event_ Summer internship

Dr.Jayshree Khanapuri

Dr. Jayashree Khanapuri, Dr. Namrata Ansari, Prof. Martand Jha, Prof. Sandeep Mishra, and Prof. Rashmi Adatkar visited 'The Innovation Story', a leading robotics lab in Dadar, Mumbai. This visit was for MOU and to explore the options of placement opportunities.

Image Clip of event_ The innovation story

Dr. Jayshree Khanapuri completed a project titled 'Faculty appraisal management system for teaching and nonteaching staff'.

Dr. Jayshree Khanapuri completed a project titled 'Faculty appraisal management system for teaching and nonteaching staff'.

Prof.Pradnya Kamble

Prof. Pradnya Kamble attended AICTE-ISTE approved two week STTP on 'Recent Trends in AI, ML and IOT' from 12/06/2014 to 25/06/2024 organized by Department of E & TC Engineering, SKNCOE, Pune.

Prof. Pradnya Kamble attended ISTE approved Self-Financing FDP on 'Research Proposal writing and AI Tools in Education and Research' from 06/05/2024 to 11/05/2024 organized by P.R. Pote Patil College of Engineering & Management, Amravati, Maharashtra.

Student Achievements

Mr. Yash Dhekale participated in regional meet organized by Pillai HOC college of engineering, on 06/02/2024

Mr. Khshitij Gaikwad participated in 'Virtual Crowdfunding Challenge' organised by Innovation and entrepreneurship Cell of NMIMS College of engineering, Mumbai on 27/02/2024.

IImage Clip of event_ Virtual Crowd funding Challenge

Mr. Madhav Asawa, Mr. Prabuddha Jadhav and Mr. Kushaan Bhat successfully completed the RISC-V internship program.

Group of students Mr. Prathmesh Awate, Mr.Yash Salunke, Mr. Bhavesh Patel from LY EXTC awarded with first position under the guidance of Dr. Priya Hankare for the project titled 'Design of forward problem for early detection of Breast cancer using Electrical Impedance Tomography (EIT) Technique' in prestigious Inter-College Technical Poster Presentation competition Convergence in collaboration with IETE – Viva, Mumbai, under Oscillations 2024 on 05/04/2024.

Group of students Ms. Rajas Chaudhari, Ms. Aakanksha Kadam from LY EXTC awarded with third position under the guidance of Dr. Priya Hankare for the project titled 'Face Recognition and Authentication using YOLO model for Examination Attendance System' in prestigious Inter-College Technical Poster Presentation competition Convergence in collaboration with IETE – Viva, Mumbai, under Oscillations 2024 on 05/04/2024.

Group of students Ms.Drashti Parmar, Mr.Saurabh Patil, Mr.Sumeet Rajak from LY EXTC won runner-up price under major project category of 'KJSIT- IET INTECH 2024', National Level Poster cum Project Competition and received cash prize of Rs 8000 under the guidance of Prof. Rupali Satpute on 06/04/2024.