Department of Electronics and Telecommunication Engineering

ABHIYANTRIKI

Departmental Bi Annual Newsletter 2023-24
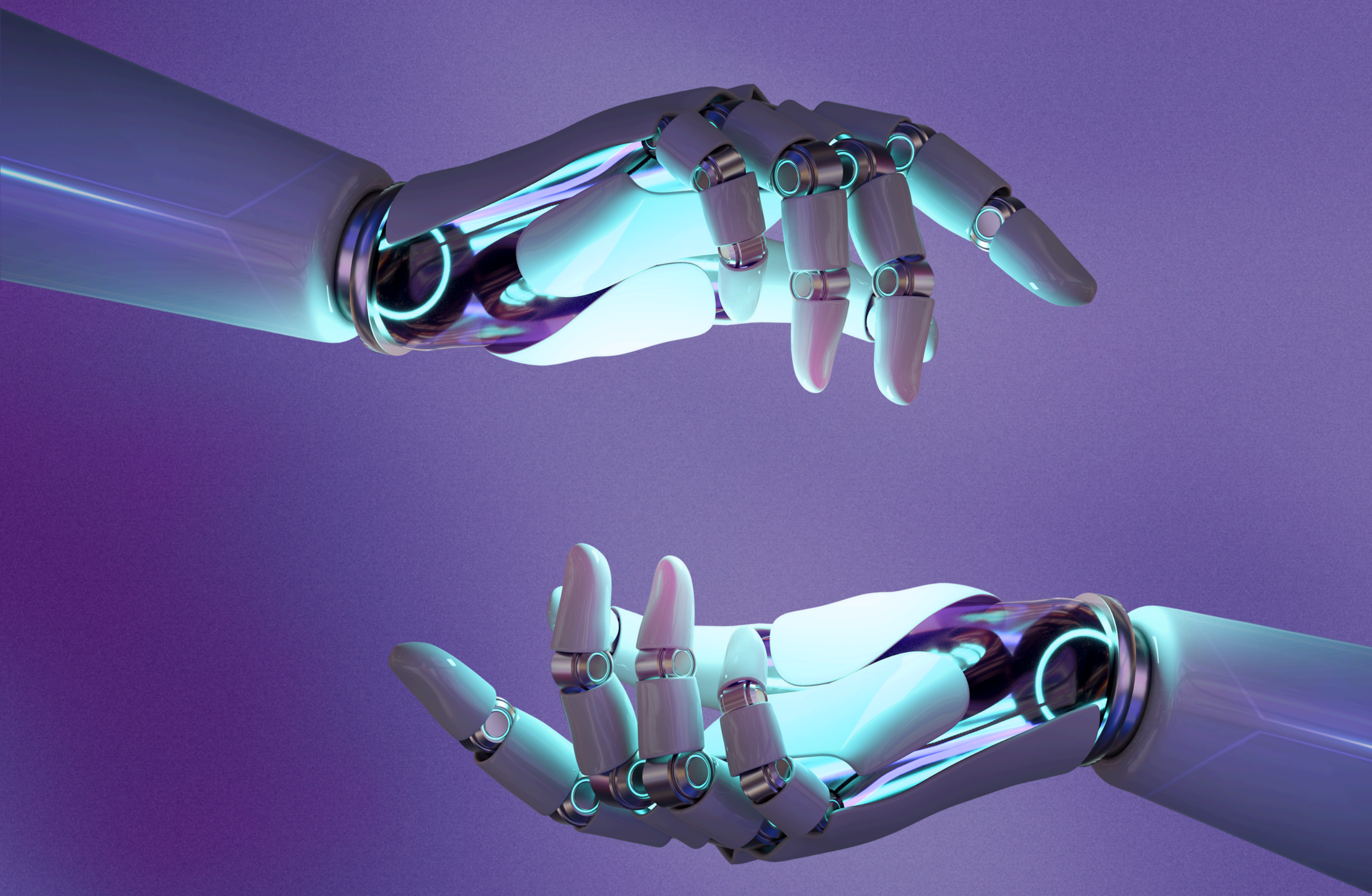
VOLUME 10 ISSUE 0

JULY TO DECEMBER 2023

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.
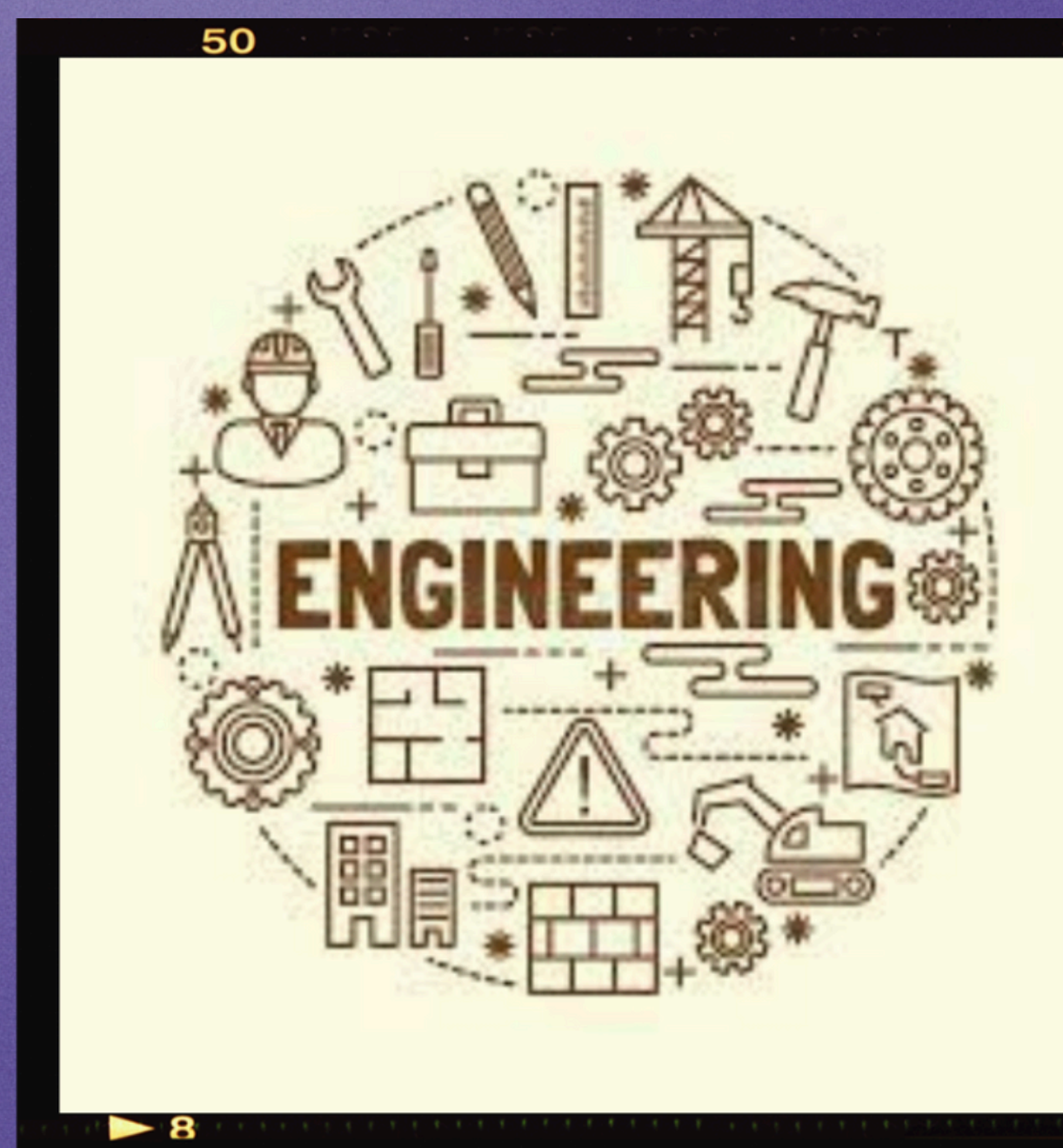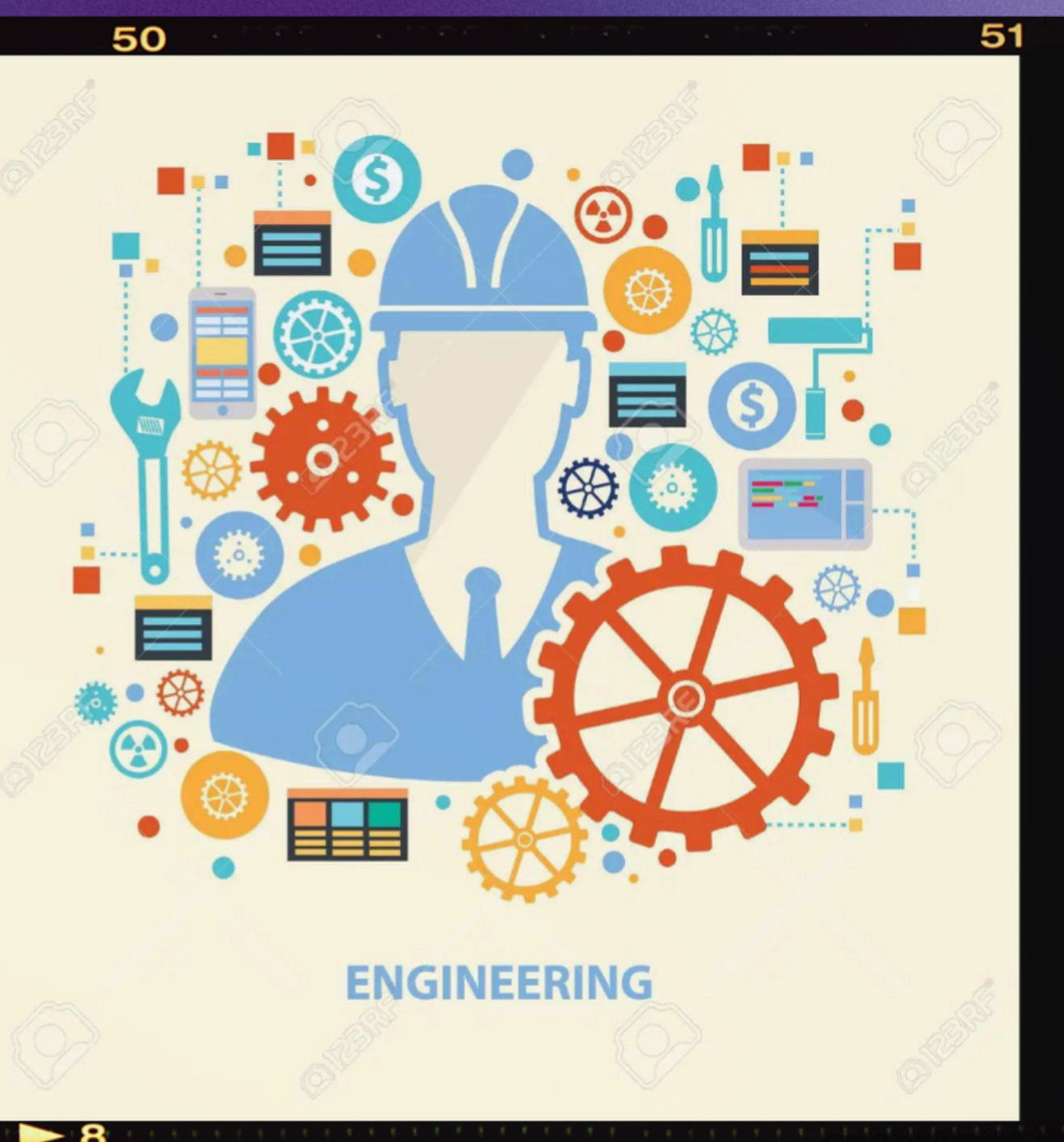
SOMAIYA VIDYAVIHAR

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

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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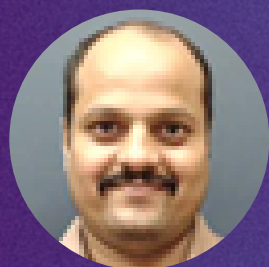
Prof.Sandeep Mishra

Prof. Sandeep Mishra attended Innovation Ambassador training programme organized by KJSIT, Sion Mumbai.

Prof. Sandeep Mishra selected as a reviewer on 'International Conference on Evolutionary Algorithms & Soft Computing Techniques (EASCT-2023)' organized by RV Institute of Technology & Management JP Nagar, Bangalore, and Karnataka from 20/10/2023 to 21/10/2023.

Prof. Sandeep Mishra selected as a reviewer on 'IEEE International Conference on Integrated Intelligence & Communication Systems (ICIICS-2023)' organized by Sharnbasva University, Kalaburagi from 24/11/2023 to 25/11/2023.

Prof. Sandeep Mishra conducted workshop on 'IoT Unplugged Hands' organized by Rajiv Gandhi institute of Technology.

Prof. Sandeep Mishra attended STTP on 'Internet of Things (IoT): Beyond the Basics with Multidisciplinary Applications & Modern Research Trends' organized by KJSIT from 12/08/2023 to 27/08/2023.

Prof.Sandeep Mishra attended Conclave on 'Adas and autonomous driving validation test' organized by NMIMS, Mumbai on 22/12/2023.

Image Clip of event_ Conclave 2023 at NMIMS
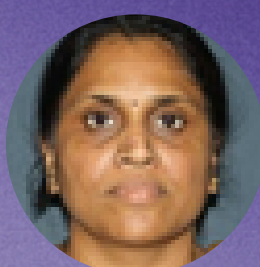
Dr. Jayshree Khanapuri

Dr. Jayshree Khanapuri selected as a reviewer on '6th International Conference on Advance in science & Technologies (ICAST2023)' organized by KJSIT, Mumbai from 08/12/2023 to 09/12/2023.

Dr. Jayashree Khanapuri,Dr. Namrata Ansari, Prof. Tilottama Dhake, Prof. Vricha Chavan, Prof. Rashmi Adatkar, Dr. Sandhya Kadam, Prof. Pranali Hatode ,Prof. Rupali Satpute, Prof, Sandeep Mishra,Prof. Swati Shinde attended FDP on 'Cloud Infrastructure (AWS)' in collaboration with Brainovision, AICTE, and the esteemed Ministry of Education (MoE) from 21/08/2023 to 25/08/2023 organized by KJSIT.

Dr.Jayshree Khanapuripresented paper in 4th International conference on data science and application (ICDSA2023) on the topic of 'A Novel approach to docking system for autonomous unmanned aerial vehicles' atMalaviya National Institute of Technology, Jaipur from 14/07/2023 to 15/07/2023.

Dr. Jayshree Khanapuri along with Mr. Deep Zaveri presented paper in 1st International conference on emerging technologies in engineering and science on the topic of 'A Novel approach for optimizing and monitoring growth of fishes for aquaculture' at Kanchikacherla, Andhra Pradesh from 11/08/2023 to 12/08/2023.

Dr. Jayshree Khanapuri along with Mr. Deep Zaveri presented paper in 1st International conference on emerging technologies in engineering and science on the topic of 'A Novel approach for optimizing and monitoring growth of fishes for aquaculture' at Kanchikacherla, Andhra Pradesh from 11/08/2023 to 12/08/2023.

Electronics And Telecommunication Department organized activity on 'Deep Dive Panch Pran Pledge' as per the circular received from Directorate of Technical Education of Maharashtra dated 27/07/2023 at 10.00 AM all students, Faculty and Non-teaching staff participated for the same.


Image Clip of event_ Deep Dive Panch Pran Pledge

Electronics and Telecommunication Engineering collaborated with Schaeffler India Limited, under which 17 students from final year allotted for the major projects. Schaeffler India Limited is subsidiary of German automobile giant Schaeffler Group. The projects work towards inculcating the technical and soft skills in the students and making them industry ready. The students are exposed to agile framework for project management and various technical skills required in automobile industry.
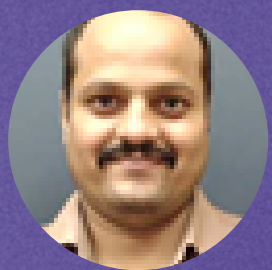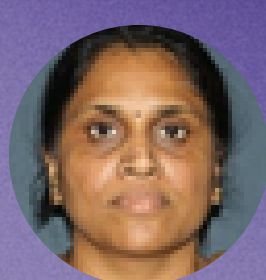
Dr. Jayshree Khanapuri   Prof. Sandeep Mishra

Dr. Jayashree Khanapuri and Prof. Sandeep Mishra received letter of appreciation for the project titled 'Online Letter of Generator' organized by KJSIT on 15/09/2023.

Dr. Jayshree Khanapuri   Dr. Kiran Rathod

Prof. Amit Kukreja

Dr. Jayashree Khanapuri, Dr. Kiran Rathod, Prof. Amit Kukreja received letter of appreciation for the project titled 'Customer Relationship Management' organized by Radha Industries Pvt. Ltd./ Anjali Chemical Pvt. Ltd. on 15/09/2023.

Dr. Namrata Ansari

Dr.Namrata Ansari presented paper in IEEE conference on the topic of 'An Innovative Method to Increase Agricultural Productivity Using Machine Learning-Based Crop Recommendation Systems' at ICAISS-2023 on 23/08/2023.

Dr.Namrata Ansaripresented paper in IEEE conference on the topic of 'Enhancing Plant Leaf Disease Classification Performance through EfficientNetB3 and Hyper parameter Optimization' at ELEXCOM'23, IIT Roorkee on 27/08/2023.

Dr. Namrata Ansari received letter of appreciation for the project titled 'Website Developed for cooperative housing society' organized by Kasturi CHS, Sanpada on 15/09/2023.

Dr. Namrata Ansari

Prof. Sandeep Mishra
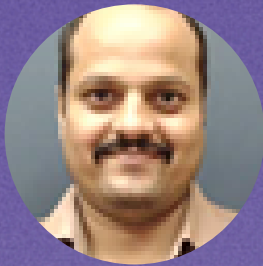
Dr. Namrata Ansari and Prof. Sandeep Mishra received letter of appreciation for the project titled 'Student Progression Management System' organized by KJSIT on 15/09/2023.

Dr. Namrata Ansari

Prof. Rashmi Adatkar

Dr. Namrata Ansari and Prof. Sandeep Mishra received letter of appreciation for the project titled 'Student Progression Management System' organized by KJSIT on 15/09/2023.

Prof.Sandhya Deshpande

Prof. Sandhya Deshpande organized internship in association with COEP cell at Supraja Technologies from 07/06/2023 to 22/07/ 2023 for one month and 7 students participated for the same.

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K J Somaiya Institute of Technology
(Formerly known as K J Somaiya Institute of Engineering and Information Technology)
An Autonomous Institute Permanently Affiliated to University of Mumbai.

COEPS

Cyber Security
Internship at

SUPRAJA
TECHNOLOGIES

Coordinator :
Prof. Sandhya Deshpande
(COEPS Convener)

Register at :
www.suprajatechnologies.com

Last Date of Registration :
2nd July, 2023

Image Clip of event internship at Supraja Technologies

Prof. Sandhya Deshpande organized industrial visit in association with COEP cell on 'TIFR IV' at Tata Institute of Fundamental Research on 29/07/2023 from 10 am to 3pm with resource Person Dr. Satyanarayana Bheesette, Scientific Officer (H). Department Of High Energy Physics, Tata Institute Of Fundamental Research (TIFR),Autonomous institute Of The Department Of Atomic Energy, Government Of India,Homi Bhabha Road, Navy Nagar, Colaba, Mumbai.

Image Clip of event_IV at Tata Institute of Fundamental Research

Prof. Sandhya Deshpande organized internship in association with COEP cell at Supraja Technologies from 07/06/2023 to 22/07/ 2023 for one month and 7 students participated for the same.
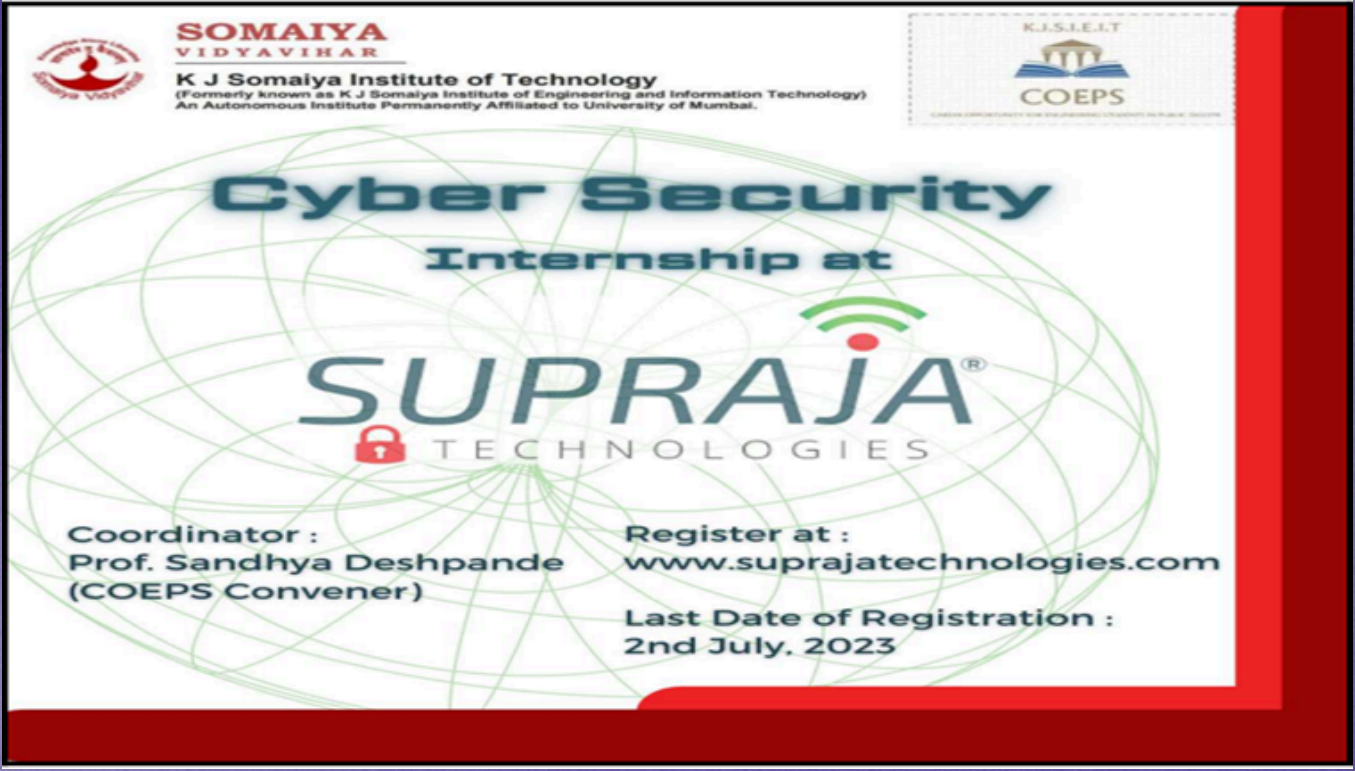
Prof. Sandhya Deshpande received letter of appreciation in recognization of her dedication and commitment for conducting workshop, guest lecture and internship in government organization.

Prof. Sandhya Deshpande organized industrial visit at 'Nuclear Power Corporation Of India Limited' on 02/09/2023 and 34 students participated for the same.

Prof. Sandhya Deshpande received letter of appreciation for the 'COEPS cell activity conducted (internship, workshop, IV in public sector)' organized by KJSIT.

Prof. Pranali Hatode

Prof. Pranali Hatode selected as a program committee member & reviewer on '2nd International Conference on Advances in Data-Driven Computing & Intelligent System (ADCIS 2023)' organized by BITS Pilani, K K Birla, Goa Campus from 21/09/2023 to 23/09/2023.

Prof. Swati Shinde

Prof. Swati Shinde invited as a reviewer at 'International Conference on Deep learning, IOT Drone Technology, Smart Cities and Application (ICDIDSA-23)' organized by Sandip Institute of Technology & Research Centre, Nashik from 29/11/2023 to 30/11/2023.

Prof. Swati Shinde attended training program on 'Digital Technologies for the Transformation of Aqua farming in Ira' organized by MANAGE, Hyderabad & TNJFU-Dr. M.G.R from 23/08/2023 to 25/08/2023.

Prof. Swati Shinde attended FDP on 'Design, Technology and Innovation' organized by NPTEL-AICTE from July 2023to September 2023

Prof. Swati Shinde attended training program on 'National Intellectual Property Awareness Mission' organized by Intellectual Property Office, India on 13/09/2023.

Prof. Swati Shinde attended FDP on 'Recent Trends in Industrial Automation & Robotics' organized by NPTEL-AICTE organized by Amrutvahini Polytechnic, Sangamner from 25/09/2023 to 27/09/2023.

Prof. Swati Shinde organized guest lecture on 'Session on Accelerators/Incubation - Opportunities for Students & Faculties – Early Stage Entrepreneurs' on 31/08/2023.

Prof. Sagar Mhatre

Prof. Sagar Mhatre selected for 'High End Workshop on AI/ML in VLSI' organized by SERB in association with DAICT, Gandhinagar. He secured first rank in the quiz organized at the end of the workshop.

Image Clip of event_ High End Workshop on AI/ML in VLSI

Prof.Pranali Hatode

Prof.Tilottama Dhake

Prof. Tilottama Dhake and Prof. Pranali Hatode organized one week national level FDP on 'Cloud Infrastructure (AWS)' in collaboration with Brainovision, AICTE, and the esteemed Ministry of Education (MoE) from 21/08/2023 to 25/08/2023 at 7.00PM to 8.00PM in online mode.

Prof.Priya Hankare

Dr.Priya Hankare invited as a reviewer at 'International Conference on Deep learning, IOT Drone Technology, Smart Cities and Application (ICDIDSA-23)' organized by Sandip Institute of Technology & Research Centre, Nashik from 29/11/2023 to 30/11/2023.

Dr. Priya Hankare invited as a reviewer at '6th International Conference on Advance in science & Technologies (ICAST2023)' organized by Sandip Institute of Technology & Research Centre , Nashik from 08/12/2023 to 09/12/2023.

Prof.Tilottama Dhake

Prof. Tilottama Dhake attended International Workshop on 'AI Tools for Research Writing' organized by Manuscriptpedia, Kanyakumari from 21/09/2023 to 22/09/2023.

Prof. Tilottama Dhake organized guest lecture on 'Session on Out-of-the-box Thinking for Problem Solving' on 31/08/2023.

Prof.Martand Jha

Prof. Martand Jha organized guest lecture on 'Session on Innovation/Prototype Validation – Converting Innovation into a Start-up' on 31/08/2023.

Prof.Rupali Satpute

Prof. Rupali Satpute invited as a judge at 'Campus Hackathon 2023' organized by KJSIT on 25/09/2023.

Prof. Rupali Satpute attended FDP on 'Innovation, Business Model and Entrepreneurship' organized by AICTE and IIT, Roorkee from August to October 2023.

Prof. Rupali Satpute attended FDP on 'Cyber Security by Excelr' organized by Chaitanya Bharathi Institute of Technology (CBIT) in Collaboration with ExcelR Edtech Pvt. Ltd.From 25/09/2023 to 14/10/2023.

Prof. Rupali Satpute attended training program on 'IP Awareness' organized by National Intellectual Property Awareness Mission, Intellectual Property office, India on 31/08/2023.

Prof. Rupali Satpute received letter of appreciation for the project titled 'Virtual Lab KJSIT' organized by KJSIT on 05/10/2023.

Prof. Rupali Satpute received letter of appreciation for the project titled 'Virtual Lab KJSIT' organized by KJSIT on 05/10/2023.

Dr.Kiran Rathod

Dr. Kiran Rathod invited as a reviewer at '6th International Conference on Advance in science & Technologies (ICAST2023)' organized by Sandip Institute of Technology & Research Centre , Nashik from 08/12/2023 to 09/12/2023.

Dr. Kiran Rathod invited as a reviewer at '3rd International Conference on Electrical, Computer and Energy Technology' organized by Cape town, South Africa from 16/11/2023.

Dr. Kiran Rathod presented paper in International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN 2023) titled 'Design of Hexagonal Ring Wearable Textile Antenna using Polyster for Early Bone Health Detection' from 09/011/2023 to 10/11/2023.

Prof. Rashmi Adatkar   **Prof.Rupali Kadu**

Prof. Rashmi Adatkar, Prof.Rupali Kadu received letter of appreciation for the project titled 'Travel Policy Management System' organized by KJSIT on 05/10/2023.

Prof. Rashmi Adatkar

Prof. Rashmi Adatkar received letter of appreciation for the project titled 'Serve Mumbai' organized by KJSIT on 05/10/2023.

Student Achievements

Group of students Mr. Chitrang Kadam, Ms. Shrushti Khapre, Mr. Abbas Ahemadabadwala working on project titled 'Automatic Generation of LOR' sponsored by KJSIT under the guidance of Prof. Sandeep Mishra.

Group of students Mr. Kamran Khot, Mr. Sahil Kadge, Mr.Yash Navandar presented paper in Avishkar competition titled Speech to text template filling' under the guidance of Dr. Jayshree Khanapuri organized by VES, Chembur and they won second prize for the same on 15/12/2023.
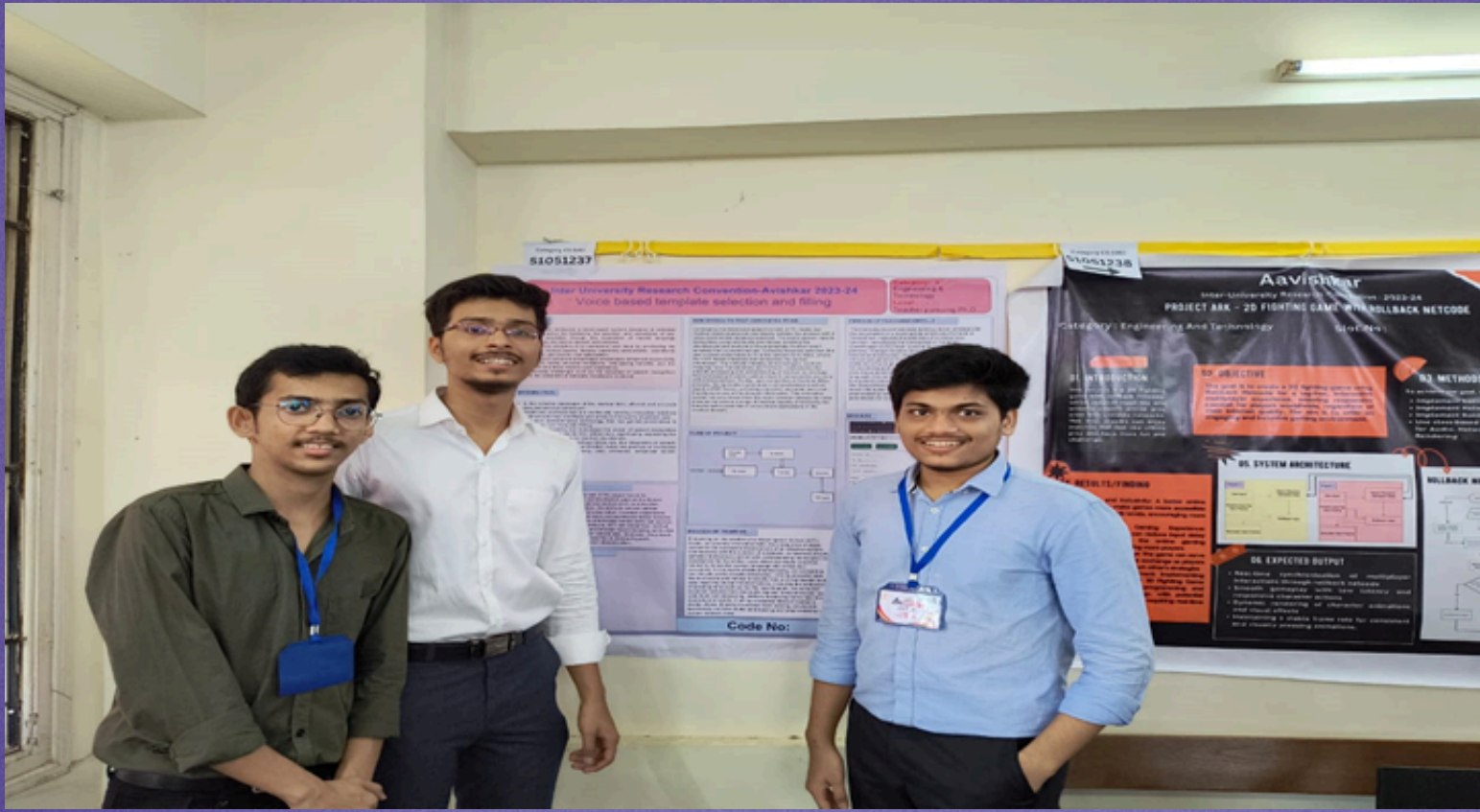

Image Clip of event_ Avishkar competition 2023

Group of students Mr. Himanshu Halbe Mr. Piyush Gopalkar, Mr. Chaitresh Gowada working on the project titled 'Perfrom Memory self-test on Microcontroller' under the guidance of Prof. Sagar Mhatre sponsored by Schaeffler Company, Pune.

Group of students Mr. Prabhuddha Jadhav Mr. Nikhil Gangal, Mr. Darshan Sarode working on the project titled 'Pump Control Using BLDC motor using Microcontroller and CAN' under the guidance of Prof. Sagar Mhatre sponsored by Schaeffler company, Pune

Group of students Mr. Hatim Rampurwala Ms. Nidhi Meena, Mr. Siddhant Sarkate working on the project titled 'Controling rotor position of DC motor using microcontroller and CAN' under the guidance of Prof. Prashant Upadhyay sponsored by Schaeffler company, Pune.

Group of students Mr. Rushikesh Birje Mr.Tanmay Gaikwad, Mr. Atarva Sawant working on the project titled 'Interfacing temperature sensor using ADC and DMA on microcontroller' under the guidance of Prof. Rashmi Adatkar sponsored by Schaeffler company, Pune..

Group of students Mr. Puvvada Jateesh, Mr. Uday Kataria, Mr. Krish Panchal, Ms. Shubhangi Kadlag working on the project titled 'Pump Control Using BLDC motor using Microcontroller and CAN' under the guidance of Prof. Swati Shinde sponsored by Schaeffler company, Pune.

Mr. Spandan Sarkar selected for 'MBW International Taekwondo Championship 2023' held in Kuala Lumpur, Malaysia from 16/08/2023 to 22/08/2023, he won two bronze medals in the Kyorugi and Poomsae categories.

Image Clip of event_MBW International Taekwondo Championship 2023

Mr. Kamran Knot, Mr. Omar Lake, Ms. Mansvi Shetty and Mr. Suraj Mishra participated in the 'HackRX' hackathon organized by Bajaj at Symbiosis Campus, Pune from 20/07/2023 to 21/07/2023

Image Clip of event_ HackRX hackathon

Mr.Aditya Khedekar, Mr.Shubham Bhardwaj, Mr. Parth Sankpal and Mr.Sahil Kumar took part in the event 'Technex-23 Hackathon' and they selected in top 10.

Mr.Vineet Rathi, Mr.Devansh Rathi, Mr.Sumedh Patil, Mr.Vedant Pangudwale participated in 'Intel ONEAPI Hackathon' organized by Hack2skill and they secured the runner-up position.

Image Clip of event_ HackRX hackathon

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IImage Clip of event_ Intel ONEAPI Hackathon