



TATRADNYA

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DEPARTMENT OF INFORMATION TECHNOLOGY

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Editorial Team

Dr. Radhika Kotecha, Head of Department

Ms. Seema Yadav, Assistant Professor

Vision of Department

To be recognized as a centre of excellence in the field of Information Technology where inquisitive minds of students are fostered, leading to skilled professionals and contributing citizens.

Mission of the Department

- To produce industry-ready engineers by imparting quality education and enhancing their proficiency with strong engineering foundation and in-depth knowledge of Information Technology.
- To encourage curiosity, creativity, innovative thinking, culture of continuous learning, and multidisciplinary activities for developing state-of-the-art solutions to real-world problems.
- To serve humanity by creating socially responsible citizens with high ethical values who can communicate effectively and work independently or in groups.

Program Educational Objectives (PEOs)

- Program Graduates will be able to apply knowledge of engineering fundamentals and cutting-edge Information Technology to identify and implement innovative solutions for engineering problems and issues in society.
- Graduates will be able to exhibit their employability skills and practice the ethics of their profession with a sense of social responsibility.
- Graduates will have strong interpersonal skills and will engage in life-long learning to enhance their career positions, both as team members and leaders.Objectives (PEOs).

Program Specific Outcomes (PSOs)

- Graduates will be able to apply standard software engineering practices in real-world project development to deliver efficient, secure and novel solutions.
- Graduates will be able to apply the contemporary trends in Information Technology like Internet of Things and Data Science in diverse application areas.

Departmental Activities

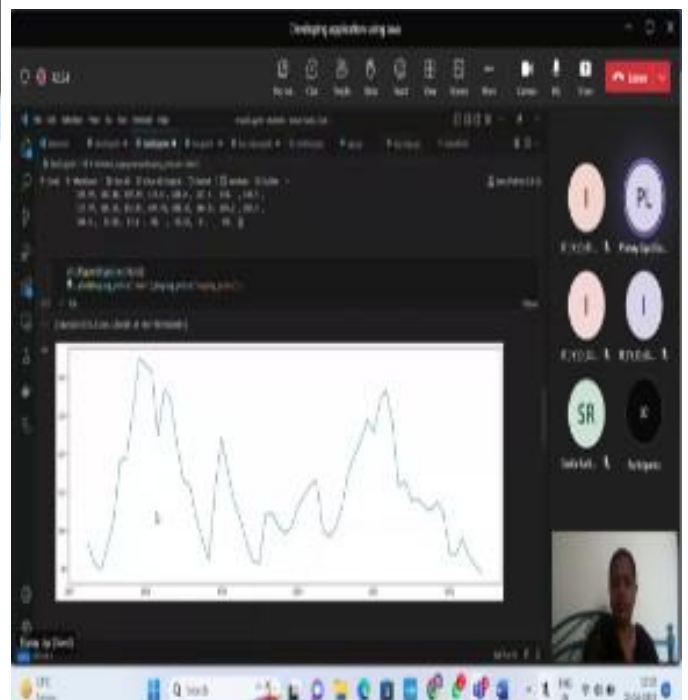
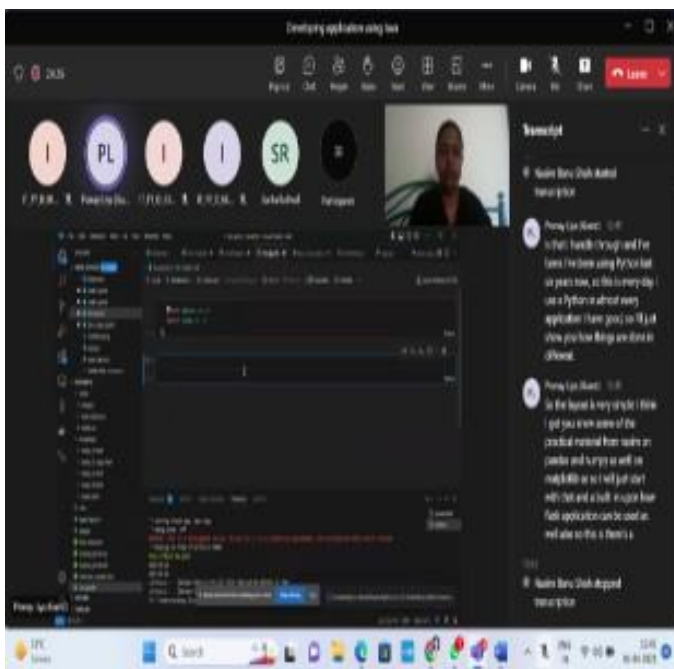
- The Department of Information Technology organized a Workshop on **"Preparing for coding competitions"** on April 1, 2023 for all second year students, coordinated by Reena Lokare.



Glimpse of Workshop on Preparing
for coding competitions

Departmental Activities

- The Department of Information Technology organized a Workshop on “**Development of REST API using Flask**” on April 1, 2023 for all second year students, coordinated by Mrs. Nasim Shah and Mrs. Sarita Rathod.



Glimpse of Workshop on “Development of REST API using Flask”

Departmental Activities

- The Department of Information Technology organized a Workshop on **“Generation of IP at the Early Stage of Innovation”** on March 21, 2023 for all second year students, coordinated by Mrs. Nasim Shah.



Glimpse of Workshop on “Generation of IP at the Early Stage of Innovation”

Departmental Activities

- The Department of Information Technology organized a Workshop on "**Network Design Workshop using NS-2**" on April 11, 2023 for all second year students, coordinated by Mr. Uday Rote.

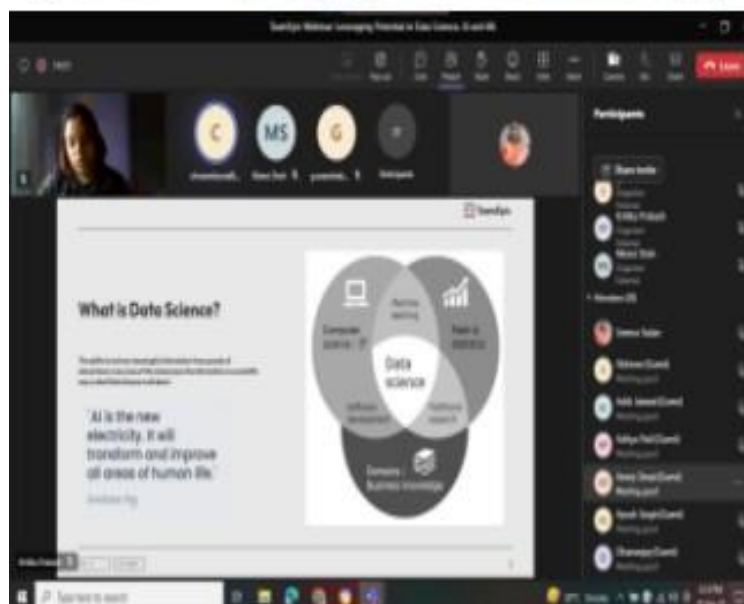


Glimpse of Workshop on “Network Design Workshop using NS-2”

- The Department of Information Technology organized Mock Interviews for LY students on March 31 to April 01, 2023 and April 02, 2023 coordinated by Dr. Vijaya Pinjarkar.

Departmental Activities

- The Department of Information Technology in association with TeamEpic organized a Webinar on **“Leveraging Potential in Data Science, AI, and ML”** on January 27, 2023 for LY, TY Students, coordinated by Mrs. Seema Yadav.



Glimpse of Webinar on “Leveraging Potential in Data Science, AI, and ML”

Departmental Activities

- The Faculties of Department of Information Technology interacting with Alumni during Alumni meet organized on March 11, 2023.



Glimpse of “Alumni- Meet”

Activities and Achievements of Faculties

- Dr. Hariram Chavan and Mrs. Sarita Rathod has successfully completed a one week FDP on **“AI-based Nature Inspired Optimization Methods”** from January 09-14, 2023.
- Dr. Hariram Chavan, Mr. Uday Rote, Mrs. Nasim Shah, Ms. Reena Lokare reviewed papers of the 5th Biennial International Conference on Nascent Technologies in Engineering, ICNTE-2023 on January 20-21, 2023.
- Dr. Radhika Kotecha and Ms. Sarita Rathod worked as an organizing member for **“Kavach - Solution Pitch Competition”** organized by Institution’s Innovation Council (IIC) and Project Competition Cell (PCC) on April 10-11, 2023.
- Dr. Radhika Kotecha presented a paper **“Data Mining for Enhancement of Graduate Attributes”** in Journal on Soft Computing in January 2023
- Dr. Radhika Kotecha presented a paper **“Enhancing Object Mapping in SLAM using CNN”** in International Journal of Next-Generation Computing in March 2023.
- Dr. Radhika Kotecha served as a Technical Program Committee Member and Reviewer – 3rd International Conference on Computer Vision and Robotics (CVR 2023) (Manuscripts indexed in SCOPUS)

Activities and Achievements of Faculties

- Dr. Radhika Kotecha served as a Technical Program Committee Member and Reviewer – World Conference on Artificial Intelligence: Advances and Applications (WCAIAA 2023) (Manuscripts indexed in SCOPUS)
- Dr. Radhika Kotecha served as a Technical Program Committee Member and Reviewer – Congress on Control, Robotics, and Mechatronics (CRM 2023) (Manuscripts indexed in SCOPUS)
- Dr. Radhika Kotecha served as a Reviewer of Manuscripts – SN Computer Science (Manuscripts indexed in SCOPUS)
- Dr. Radhika Kotecha served as a Reviewer of Manuscripts - ASEAN Engineering Journal (Manuscripts indexed in SCOPUS)
- Ms. Seema Yadav completed a 1 Month Internship Program on Data Science & Analytics from December 26, 2022 - January 30, 2023 organized by IETE, Pantech e learning in online mode.
- Ms. Seema Yadav participated in 1 day National FDP on Green Audit and Energy Audit on April 01, 2023 organized by IOT Academy in online mode.
- Dr. Vijaya Pinjarkar completed her PhD in Computer Science and Engineering from Sir Padampat Singhania University, Udaipur in April 2023

Activities and Achievements of Faculties

- Dr. Vijaya Pinjarkar reviewed the paper of International Journal of Electrical and Computer Engineering Systems (Scopus Indexed Journal) in April 2023 in Online mode.
- Mr. Harsh Bhor completed NPTEL Certification Course **"Python for Data Science"** from January to February 2023.
- Mr. Harsh Bhor completed the new certification **"Live Online Training on Applied AI & Deep Learning in Healthcare Data Analysis"** from Eduxlabs in association with Mechanica IIT Madras from March 27, 2023 to April 12, 2023.
- Dr. Harsh Bhor completed PhD in Computer Science and Engineering From Sir Padampat Singhanian University, Udaipur in April 2023.
- Dr. Reena Lokare completed Ph.D. in Computer Engineering from the PHCET Rasayani, Navi Mumbai, University of Mumbai in March, 2023.
- Mrs. Nasim Shah, Dr. Reena Lokare, Mrs. Sarita Rathod worked as an organizing member in National Level poster cum project competition-KJSIEIT-IET-INTECH 23 on March 25, 2023.

Activities and Achievements of Faculties

- Mrs. Nasim Shah, Dr. Reena Lokare reviewed papers of the International Conference on Advanced Computing Technologies and Applications-2023 on October 6-7, 2023.
- Mrs. Nasim Shah published a paper **“Performance Analysis of Real-Time Object Detection algorithm for a Multi-Class Plant Disease Detection and Classification Using Deep Learning”** in IEEE 10th International Conference on Emerging Trends in Engineering & Technology Signal and Information Processing (ICETET-SIP-22), Nagpur, INDIA during April 28-29, 2023.
- Mrs. Sarita Rathod presented a paper **“Sarcasm detection using Natural Language Processing”** in the International Conference on Communications, Computing & Data Science (IC-CCDS 2023) organized during February 24- 25, 2023 at Thakur College of Engineering and Technology, Mumbai.
- Mrs. Sarita Rathod presented a paper **“Smart Healthcare System for Prediction of fungal infection, bacterial, Air-borne, water-borne, and Hormonal disease using AI”** in the International Conference on Communications, Computing & Data Science (IC-CCDS 2023) organized during February 24-25, 2023 at Thakur College of Engineering and Technology, Mumbai.

Activities and Achievements of Faculties

- Mr. Prashant Sawant and team of students presented Taarit - a Web Based Rescue model which help victim at the time of accident to Tata Motors, Mumbai



- Mrs Sudeshna Baliarsingh published a paper **“Unsupervised technique for cardiac data compression with β wavelet transform for telemedicine in Measurement: Sensors** in January 2023
- Mrs Sudeshna Baliarsingh published a paper **“ECG Compression using Decomposed Transform for E-Healthcare”**, in 2022 OITS International Conference on Information Technology (OCIT) in March 2023.

Achievements of Students

- First Prize in Avishkar – 2023: 15th Maharashtra State Inter-University Research Convention 2023 held at Savitribai Phule Pune University conferred to students from Department of Information Technology – Ritesh Kumar Pandey and Janhnavi Obhan for the project developed under the guidance of Dr. Radhika Kotecha



- First Runners Up and Prize of INR 50,000 conferred to students from Department of Information Technology – Janhavi Obhan and Ritesh Kumar Pandey for the Project Train Crowd Management System developed under the guidance of Dr. Radhika Kotecha at CIIA Inter-Institution Students Innovation Exhibition & Competition 2023 held at Nehru Centre, Mumbai during February 01-03, 2023.



Achievements of Students

- Third year students from the Department Information Technology - Mr. Singh Aniruddha, Ms. Padole Pranjali, Mr. Varma Ishavar and Mr. Wagh Aditya were awarded 3rd Rank and Cash Prize of INR 20,000 for their project titled IoT based Power Consumption Control and Monitoring System mentored by Mrs. Sarita Rathod, Assistant Professor, Department of Information Technology during ResCon UG Research Conclave organized by EnPoWER, the Research Promotion Wing of IIT Bombay, in collaboration with IIT Bombay Research Park on February 04-05, 2023.



- National Award for Best B.Tech. Project in Information Technology by Indian Society for Technical Education conferred to students of Department of Information Technology Ritesh Kumar Pandey and Janhavi Obhan during 23rd ISTE Annual National Student Convention for the Project Train Crowd Management System developed under the guidance of Dr. Radhika Kotecha.

Achievements of Students

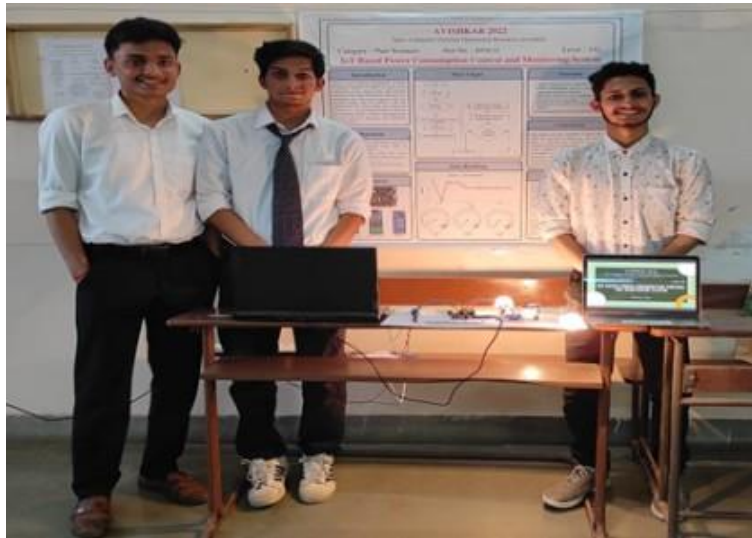


- First Prize in 17th Inter-Collegiate / Institute / Department Avishkar Research Convention 2022 in Commerce, Management and Law category conferred to students from Department of Information Technology – Ritesh Kumar Pandey and Janhnavi Obhan for the project developed under the guidance of Dr. Radhika Kotecha



Achievements of Students

- Consolation Prize in 17th Inter-Collegiate / Institute / Department Avishkar Research Convention 2022 in Pure Sciences category to students from Department of Information Technology - Singh Aniruddha, Padole Pranjali, Varma Ishvar, Wagh Aditya for the project developed under the guidance of Mrs. Sarita Rathod



- Students from Department of Information Technology Pragathi Mahale secured 1st Rank at National Level Poster cum Project Competition **“KJSIT-IET-INTECH 2K23”** organized by KJSIT in association with IET, Mumbai Local Network on March 25, 2023.



Achievements of Students

- Students from Department of Information Technology Divya Pimple, Chirag Rohada, Hem Vyas and Aarya Kansara secured Runner-Up rank at National Level Poster cum Project Competition “KJSIT-IET-INTECH 2K23” organized by KJSIT in association with IET, Mumbai Local Network on March 25, 2023.



- Student from Department of Information Technology Sakina Sapatwala has been awarded 1st place in the box cricket in Intra Score 2023 organized by KJSIT, Sion.



Achievements of Students

- Students from Department of Information Technology Aryan Bhatt and Vishal Dayma have been awarded 2nd place in the Cricket in Intra Score 2023 organized by K. J. Somaiya Institute of Technology, Sion.



- Student from the Department of Information Technology Sakshi Awate has been awarded 2nd place in Intra-Dance and Relay in Surge 2023 and Score 2023 respectively organized by K. J. Somaiya Institute of Technology, Sion



Achievements of Students

- Student from the Department of Information Technology Parth Dhakan has been awarded 2nd place in Intra-Dance in Surge 2023 organized by K. J. Somaiya Institute of Technology, Sion.



- Student from the Department of Information Technology Ansh Mehta has been awarded 2nd place in Debate in Surge 2023 organized by K. J. Somaiya Institute of Technology, Sion.



Achievements of Students

- Student from the Department of Information Technology Karishma Jhaveri has secured 2nd rank in the Start Idea Pitching Competition organized by the **"K. J. Startup, Innovation and Entrepreneurship Policy"** of KJSIT on April 5, 2023



- Students from the Department of Information Technology Jenil Kanani and Yash Bhavsar were runners up in Code Odyssey 2.0, an offline hackathon organized by CSI, KJSIT Student's Chapter on 8th and 9th April 2023.



DEPARTMENT OF INFORMATION TECHNOLOGY

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