DEPARTMENT OF INFORMATION TECHNOLOGY

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Editorial Team

Dr. Radhika Kotecha, Head of Department

Ms. Seema Yadav, Assistant Professor

Ms. Karishma Jhaveri, Student - 3rd Year

Mr. Parth Vadher, Student - 3rd Year

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 "Databricks for Investigations and Innovations" on March 05, 2022 for all second year, third year and final year students of the all departments. The objective of this seminar was to kindle awareness about Spark and Databricks, the requirement of Spark in industry. The workshop was coordinated by Mrs. Seema Yadav.

Glimpse of Workshop on "Databricks for "Investigations and Innovations''
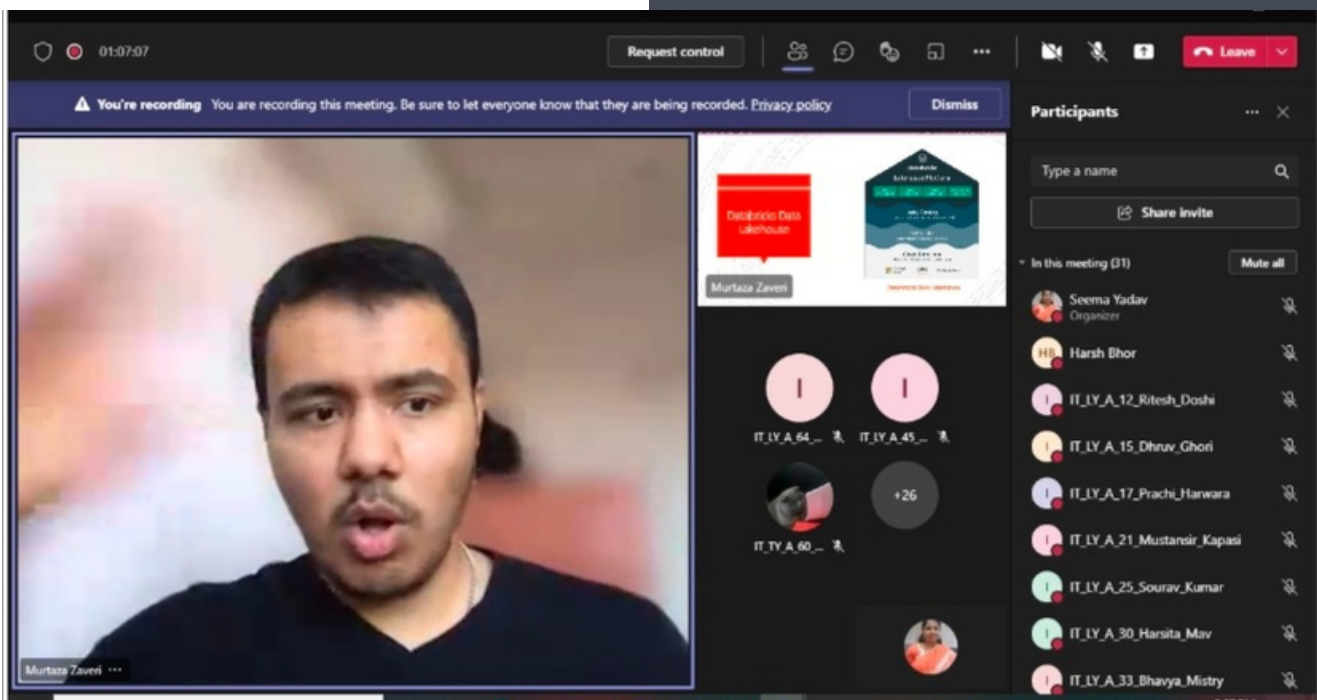
Departmental Activities

- The Department of Information Technology in association with Institution's Innovation Council (IIC) organized a Workshop on "Achieving Problem-Solution Fit & Product- Market Fit" on February 24, 2022. The workshop was coordinated by Mr. Harsh Bhor.

Glimpse of Webinar on "Achieving Problem-Solution Fit & Product- Market Fit"
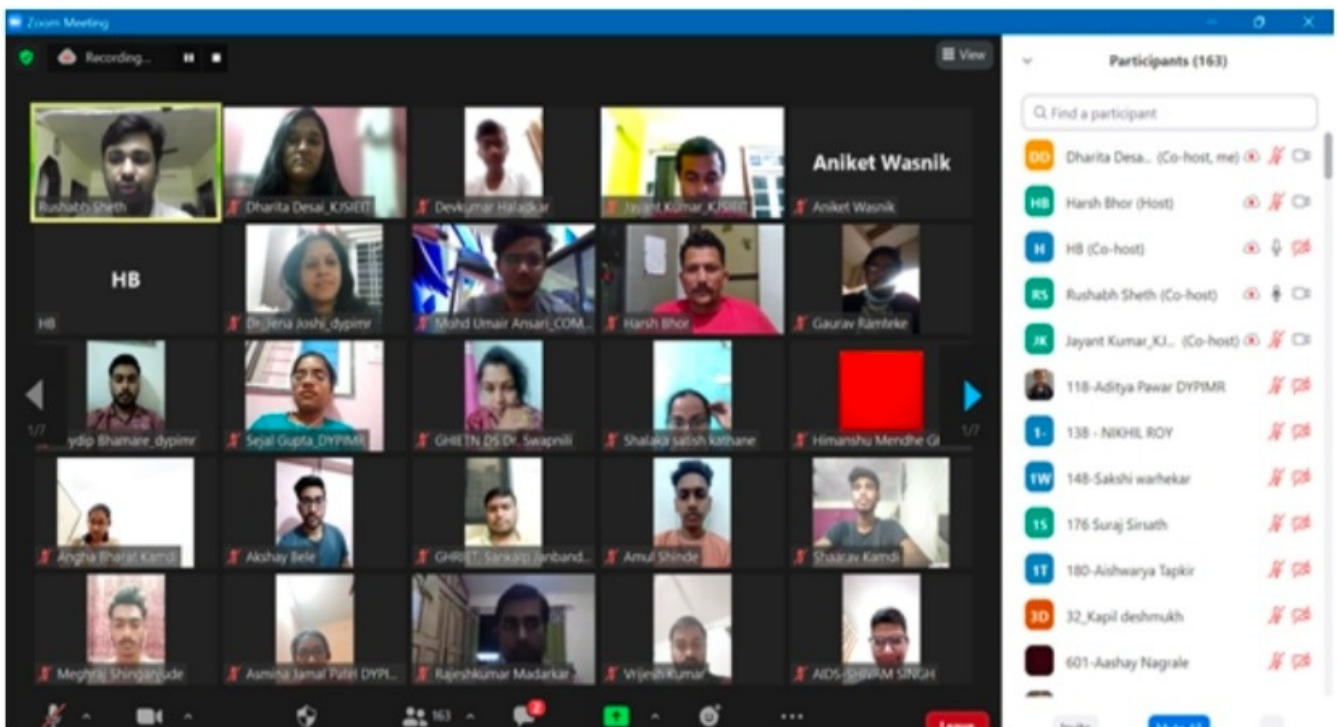
Departmental Activities
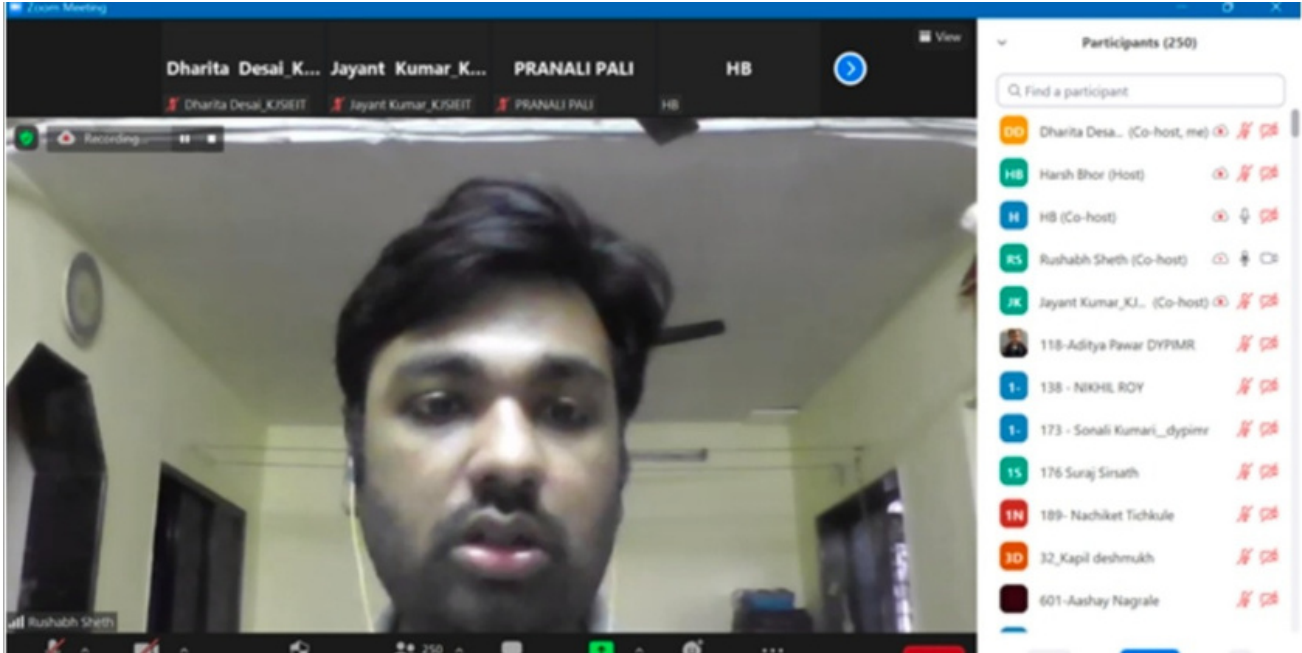
- The Department of Information Technology has organized 02 Winter Internships for SY, TY & LY students on "Internet of Everything" & "Web Development" from December 03, 2021 to January 03, 2022. The objectives of this internship are to develop motivation for life-long learning on state-of-the-art technologies and to develop sustainable solutions of real-world problems using Internet of Everything. The internships were coordinated by Dr. Radhika Kotecha, Dr. Vaishali Gaikwad, and Mr. Prashant Sawant.

Departmental Activities

Departmental Activities

Faculties Activities and Achievements

Notable Activities by Faculties:

- Dr. Hariram Chavan published "Introduction to DBMS: Designing and Implementing Databases from Scratch for Absolute Beginners".
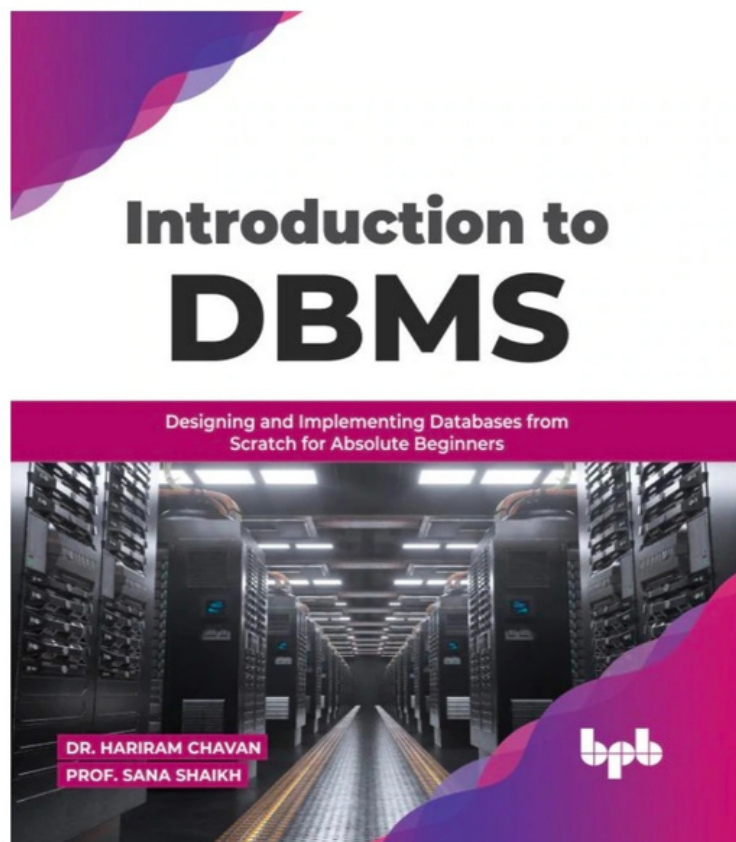
- Dr. Hariram Chavan delivered a session on Research Methodology and Literature Survey at University Department of Information Technology (UDIT) on January 07, 2022.

Faculties Activities and Achievements

- Dr. Hariram Chavan attended the BoS meeting of the department of Information Technology, Wilson College Mumbai on March 30, 2022.

- Dr. Hariram Chavan attended the BoS meeting of the department of Information Technology, Wilson College Mumbai on March 30, 2022.

- Dr. Hariram Chavan contributed as a reviewer in the 3rd International Conference on Automation, Computing and Communication (ICACC-2022), organized by Ramrao Adik Institute of Technology, D Y Patil Deemed to be University, Navi Mumbai, India. which was conducted virtually on April 07- 08, 2022.

- Dr. Hariram Chavan contributed as a reviewer in 7th International Conference Innovation and Research in Technology and Engineering (ICIRTE), Vasantdada Patil College of Engineering, Sion, Mumbai, April 08, 2022.

- Dr. Hariram Chavan, Dr. Mansing Rathod, Mrs. Seema Yadav, Mrs. Vijaya Pinjarkar, Mrs. Nasim Shah, Mr. Harsh Bhor, Mrs. Reena Lokare, Mrs. Sarita Rathod and Mr. Prashant Sawant were invited as Judges for "KJSIEIT-IET INTECH 2K22" National Level Project Competition organised by KJSIEIT, Sion., Mumbai, on April 16 , 2022.

Faculties Activities and Achievements

- Dr. Hariram Chavan invited as a 'Judge' for Selection Round of 16th Inter-Collegiate /Institute /Department Avishkar Research Convention: 2021-22 organized by Department of Students' Development, University of Mumbai for Engineering and Technology category and UG/PG/PPG/TH Level/s. April 29 , 2022.

- Dr. Radhika Kotecha published a patent titled "System to Control an Apparatus using Speech Signals and AI Methods Thereof" on March 25, 2022 in Indian Patent Journal.

- Dr. Radhika Kotecha visited Vidya Samiksha Kendra, Gandhinagar, Gujarat - an initiative of the Government of Gujarat to improve the quality of education on April 26, 2022 organized by SVV for understanding the technological establishment therein.

Faculties Activities and Achievements

- Dr. Radhika Kotecha contributed as a reviewer in "SN Computer Science – Scopus-indexed Peer-Reviewed Journal" Springer, January – May 2022.

- Dr. Radhika Kotecha is mentoring 05 Institution's Innovation Council (IIC) under Mentor-Mentee Programme in association with Ministry of Education's Innovation Cell (MIC), since January 2022.

- Dr. Radhika Kotecha has collaborated with Indian Institute of Tropical Meteorology, Pune, MoES & India Meteorological Department, MoES for the research on "Rainfall Nowcasting using Artificial Intelligence on Radar Data" since January 2022.

- Dr. Radhika Kotecha guided a research proposal titled "Breast Cancer Image Analysis and Prediction Using Self-Supervised Machine Learning" in Medicine and Pharmacy Category and UG level for the Selection Round of 16th Inter-Collegiate/Institute/Department Avishkar Research Convention 2021-22.

- Dr. Radhika Kotecha guided a research proposal titled "Crowdfunding Using Ethereum and Blockchain" in Engineering and Technology Category and UG level for the Selection Round of 16th Inter-Collegiate/Institute/Department Avishkar Research Convention 2021-22.

Faculties Activities and Achievements

- Dr. Radhika Kotecha guided a research proposal titled "Optimization of Multi-UAVs Formations with Obstacle Avoidance for Drone Light Show" in Engineering and Technology Category and PG level for the Selection Round of 16th Inter-Collegiate/Institute/Department Avishkar Research Convention 2021-22.

- Dr. Mansing Rathod served as a Reviewer in 7th International Conference Innovation and Research in Technology and Engineering (ICIRTE), Vasantdada Patil College of Engineering, Sion, Mumbai, April 08, 2022.

- Mrs. Seema Yadav delivered a talk as Keynote Speaker for "National Level Webinar Series" organized by Shri Kumarswamy Mahavidyalaya Ausa, Latur on January 19 , 2022

- Mr. Harsh Bhor, Mrs. Seema Yadav, and Mrs. Vijaya Pinjarkar filed a patent on "A Deep Learning Based Data Security System in IoT Network" on April 22, 2022.

- Mrs. Vijaya Pinjarkar contributed as a Reviewer in the 2022 2nd International conference on Computing Science, Engineering and Applications (ICCSEA) organised by GIET University, Odisha, India

Faculties Activities and Achievements

- Mrs. Vijaya Pinjarkar contributed as a Reviewer in the Bulletin of Electrical Engineering and Informatics, April 2022 (Scopus Indexed Journal).

- Mrs. Nasim Shah guided a research proposal titled "Online Examination System with Anti-Cheating and Rapid Assessment" in Commerce, Management and Law Category and UG level for the Selection Round of 16th Inter-Collegiate/Institute/Department Avishkar Research Convention: 2021-22.

- Ms. Reena Lokare has guided a research proposal titled "Genome Based Disease Prediction" in Pure Science Category and UG level for the Selection Round of 16th Inter-Collegiate/Institute/ Department Avishkar Research Convention: 2021-22.

Participation of Faculties:

- All faculties from the Department of Information Technology have attended Faculty Development Programme (FDP) on "Innovation and Entrepreneurship", December 10, 2021 to January 10, 2022 organized by KJSIEIT - Institution's Innovation Council (KJSIEIT – IIC).

- Dr. Hariram Chavan attended AICTE sponsored One Week Online Short Term Training Programme (STTP) on "Machine Learning (with Python)" under AICTE Quality Improvement Scheme (AQIS) Organized by Department of Computer Science & Engineering, Information Technology and Electronics & Telecommunication Engineering Dr. J. J. Magdum College of Engineering, Jaysingpur, Maharashtra from February 08-12, 2022.

- Dr. Radhika Kotecha and Mr. Harsh Bhor has attended a Workshop on "Climate Smart Precision Farming for Sustainable Development and Augmenting Farmer's Income" from March 08-10, 2022 organized by KIAAR, Sameerwadi, Karnataka.

- Dr. Mansing Rathod attended "AICTE sponsored ATAL FDP on "Outcome Based Learning" from January 11 to 15 January, 2022, Vivekanand Education Society Business School, New Delhi

Participation of Faculties:

- Dr. Mansing Rathod attended "AICTE sponsored ATAL FDP on QUANTUM COMPUTING" from January 3 to 7, 2022 organized by MET's Institute of Engineering, Bhujbal Knowledge City, Nashik.

- Mr. Harsh Bhor and Mrs. Seema Yadav attended Webinar on "Achieving Problem-Solution Fit & Product- Market Fit", On February 24, 2022, Organized by Institution's Innovation Council, KJSIEIT, Sion.

- Mrs. Seema Yadav and Mrs. Nasim Shah attended Workshop on "Design Thinking, Critical Thinking and Innovation", On February 25, 2022, Organized by Institution's Innovation Council, KJSIEIT, Sion.

- Mrs. Seema Yadav and Mrs. Nasim Shah attended Workshop on "Agricultural Robots, drones & AI Technology and Trends", On January 18, 2022, Organized by National Innovation and Start up Policy (NISP) and Institution's Innovation Council(IIC), KJSIEIT, Sion.

- Mrs. Seema Yadav attended Workshop on "Entrepreneurship Skill, Attitude and Behaviour Development", On February 10, 2022, Organized by Prathyusha Engineering College.

Participation of Faculties:

- Mrs. Vijaya Pinjarkar attended ATAL FDP on " Advances in Artificial Intelligence" from January 21-25,2022 at Siksha ' O' Anusandhan (Deemed to be University).

- Mr. Harsh Bhor attended Symposium on "Integrated Approaches for Agriculture Research" during April 26-28, 2022 organized by Somaiya University, Vidyavihar.

- Mrs. Sarita Rathod attended ISTE approved Faculty Development Programme (FDP) on "WEB X.O", On January 3, 2022 – January 8, 2022 organized by Xavier Institute of Engineering, Mahim, Mumbai.

- Mrs. Sarita Rathod attended Faculty Orientation Programme on "WEB X.O", On January 6, 2022 organized by Xavier Institute of Engineering, Mahim, Mumbai.

Publications by Faculties:

- Dr. Radhika Kotecha presented and published a paper on "Prediction of Age-Related Macular Degeneration (ARMD) using Deep Learning" in International Conference on Innovative Computing and Communication (ICICC), Springer (Scopus & SCImago Indexed Proceedings) organized by NIT, Patna during February 18-19, 2022.

- Mr. Uday Rote presented and published a paper entitled "Multi Speaker Recognition and User Specific Answering System" in the 3rd international conference of emerging technology (INCET 2022), during May 27-29, 2022 (Scopus Indexed Proceedings).

- Dr. Mansing Rathod presented and published a paper on "Location Based Bus Tracking Application Using Android" in 7th International Conference on Information System Design and Intelligent Application, Organized BVRIT Hyderabad, Springer SIST / LNNS Series (Scopus Indexed Proceedings) during February 25-26, 2022.

- Dr. Mansing Rathod presented and published a paper on "Housing Society Management System Using PHP" in 5th International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT-2022), Organized by RVS Technical Campus, Coimbatore, India, April 01, 2022 (Scopus Indexed Proceedings).

Publications by Faculties:

- Mrs. Vijaya Umesh Pinjarkar presented and published a paper entitled "Face Recognition and Adversarial Masking Techniques" in the 3rd international conference of emerging technology (INCET 2022), during May 27-29, 2022 (Scopus Indexed Proceedings).

Achievements of Students:

- Students from Department of Information Technology Ritesh Pandey, Janhavi Obhan, Peetamber Pancharia, Ananya Kura were awarded as Runner-ups among 500+ participating teams from IITs, NITs, various colleges all over India and being awarded Cash Prize of INR 20000 in "Udgam - Encode 2022 Hackathon" on "Sustainable Urban Transportation" organized by IIT Guwahati for the Innovation "Train Crowd Management System using AI-IoT" developed under the guidance of Head of Department Dr. Radhika Kotecha.
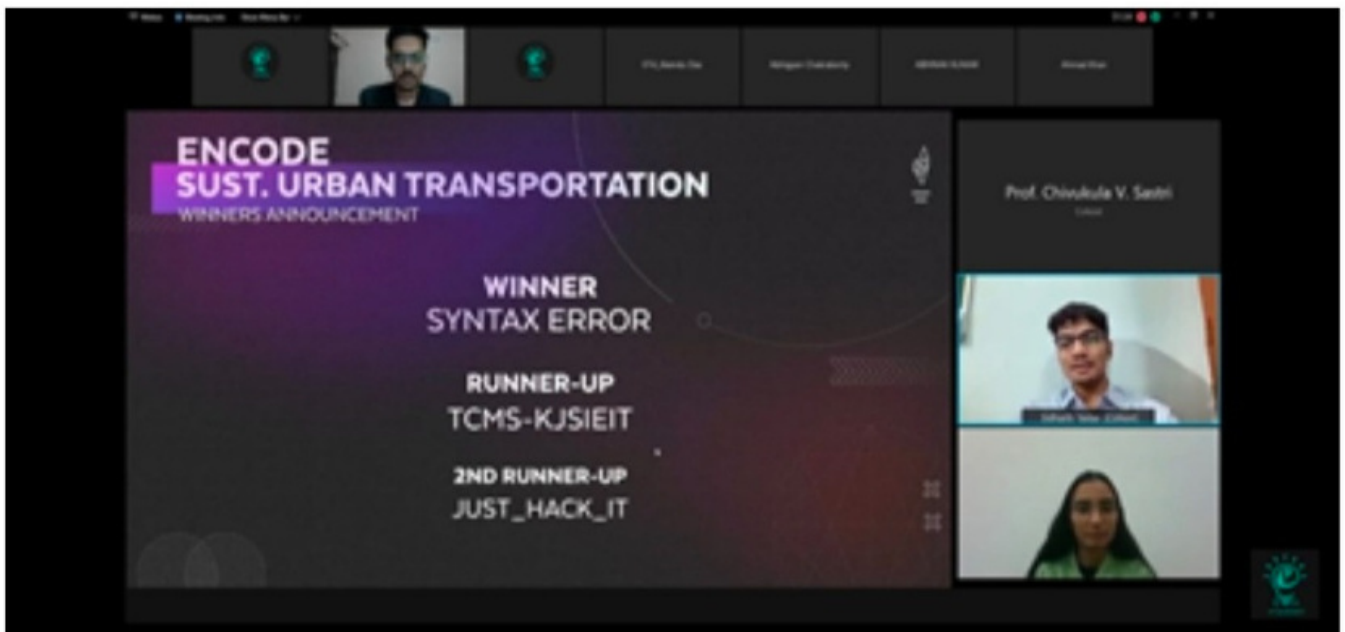
Achievements of Students:

- Students from Department of Information Technology - Aditi Parab and Prachiti Gholap secured 3rd Rank in 16th Inter-Collegiate/Institute/Department Avishkar Research Convention in Agriculture and Animal Husbandry category for their project "Smart Warehouse" developed under the guidance of Dr. Vaishali Gaikwad.

Achievements of Students:

- Students from Department of Information Technology - Aditi Parab and Prachiti Gholap secured 1st Prize in presenting an innovation project "Smart Warehouse Monitoring System" at the CIIA-Inter-Institution Students Innovation Exhibition & Competition held on 29th – 30th March 2022 at Nehru Center, Worli, Mumbai developed under the guidance of Dr. Vaishali Gaikwad.

Achievements of Students:

- Students from the Department of Information Technology Saloni Patadia, Dhruv Panchal, Krutika Bhalla were Winners for Paper Presentation Competition Impetus and Concepts 2022 organized by Pune Institute of Computer Technology during March 21-22, 2022. The project was developed under the guidance of Mr. Uday Rote.

Achievements of Students:

- Students from the Department of Information Technology Harsita Mav, Srinath Nanduri, Aneesh Mokashi were Runners-up for Paper Presentation Competition Impetus and Concepts 2022 organized by Pune Institute of Computer Technology during March 21-22, 2022. The project was developed under the guidance of Mrs. Vijaya Pinjarkar.

Achievements of Students:

- Students from the Department of Information Technology were winners of the Intercollegiate Dance Competition held during Annual Cultural Festival Surge-2K22.

Achievements of Students:

- Students from Department of Information Technology Ehlaam Hanwari and Sharvil Dandekar secured 1st Prize in intra collegiate Debate Competition during the Annual Cultural Festival Surge 2K22.

Achievements of Students:

- Students from Department of Information Technology - Mokshit Gala, Riya Shah and Dhairya Shah are Runner up in National Level Project Competition "KJSIEIT-INTECH 2K22" organized by K. J. Somaiya Institute of Engineering & Information Technology, Sion, Mumbai in association with IET Mumbai Local Network on April 16, 2022. The project was developed under the guidance of Mrs. Nasim Shah.

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