CONNECTIONS

September to December 2021

Volume #7, Issue #3

DEPARTMENT OF INFORMATION TECHNOLOGY

In This Newsletter

Departmental Activities

Activities and Achievements of Faculties

Achievements of Students

Internship

Editorial Team

Dr. Radhika Kotecha, Head of Department

Dr. Vaishali Gaikwad, Assistant Professor

Ms. Karishma Jhaveri, Student - 2nd Year

Mr. Parth Vadher, Student - 2nd 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.

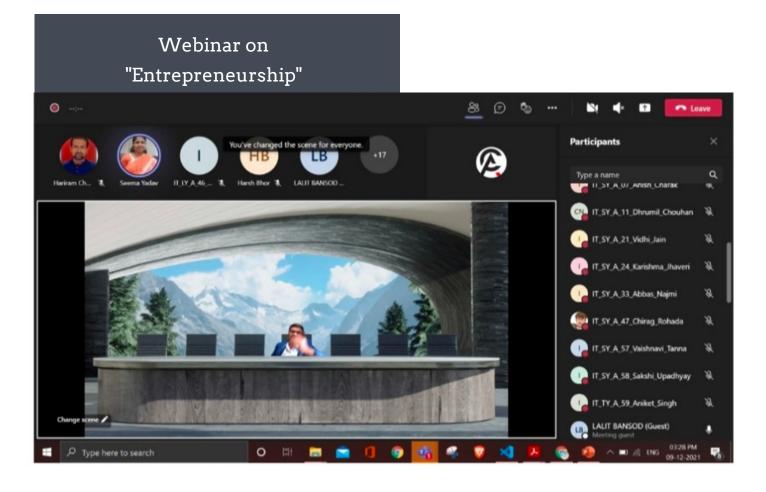
Program Educational Objectives (PEOs)

- 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).

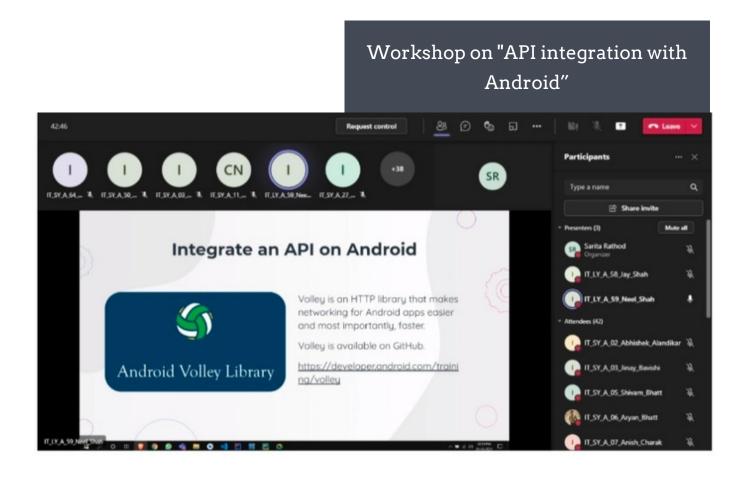
Program Specific Outcomes (PSOs)

- 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.

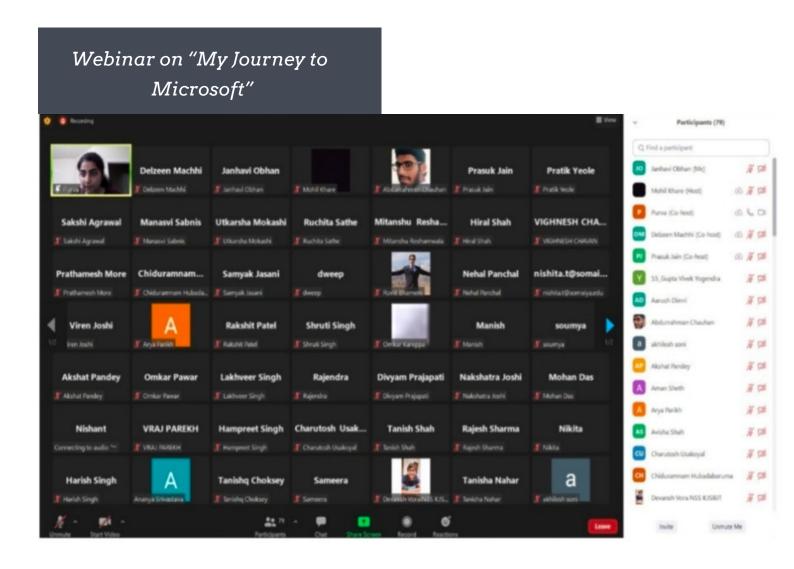
• The Department of Information Technology of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized a Webinar on "Entrepreneurship" on December 09, 2021 for all second year, third year and final year students of the all departments. The objective of this webinar was to motivate students to have their own start-up, to start their own business. Also, motivate them to take independent decision and to enhance decision making capability and to create job for themselves and for others and help society to increase employment.



• The Department of Information Technology of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized a workshop on "API Integration with Android" on October 21, 2021 for second year students of departments. The objective of this workshop is to learn and be able to apply the modern tools and methodology like Android for mobile application development and how to implement API integration with Android.



• The Computer Society of India (CSI) of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized a Webinar on "My Journey to Microsoft" on October 09, 2021 for all second year, third year and final year students of the all departments in association with the Department of Information Technology. The objective is to give students a brief idea about jobs in the corporate scenario.

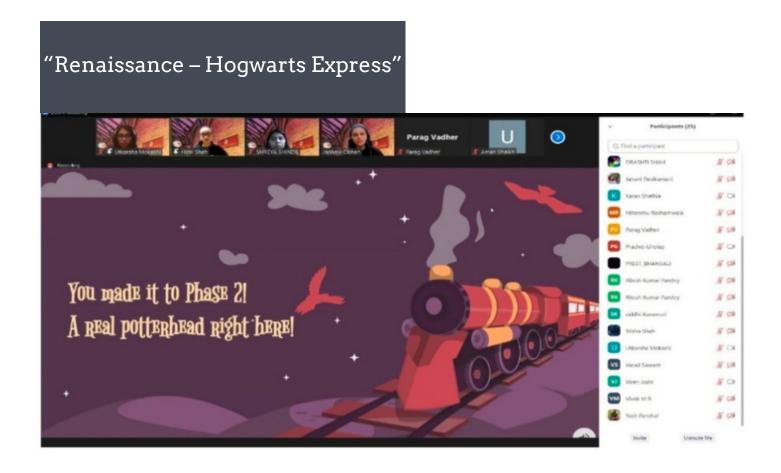


• The Computer Society of India (CSI) the Department of Information Technology of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized "Renaissance - BGMI" on October 19, 2021 for all students of the all departments of colleges nationwide in association with the Department of Information Technology. The objective is to organize an event for all game enthusiasts of the college.

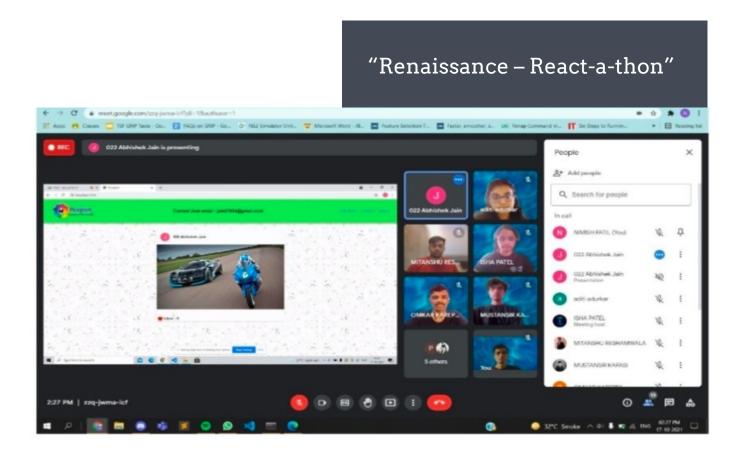




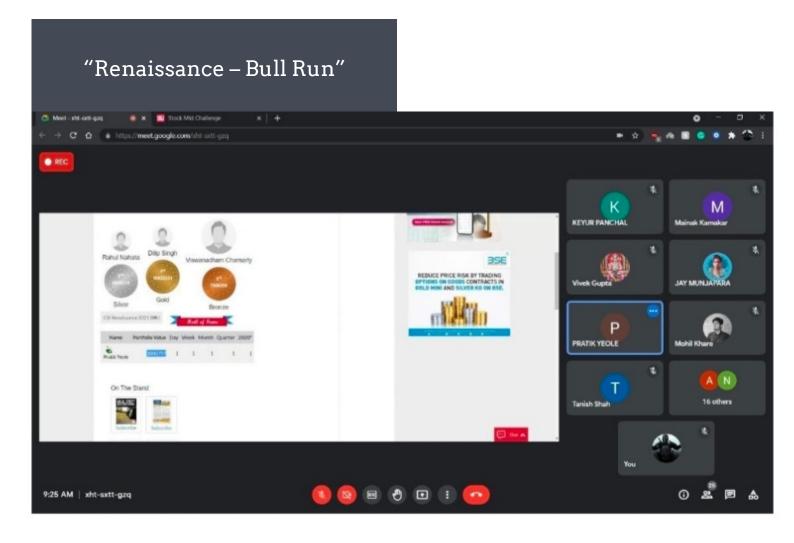
 The Computer Society of India (CSI) the Department of Information Technology of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized "Renaissance - Hogwarts Express" on October 18, 2021 for all students of the all departments of colleges nationwide in association with the Department of Information Technology. The objective is to bring a fun pop-culture to college students during pandemic.



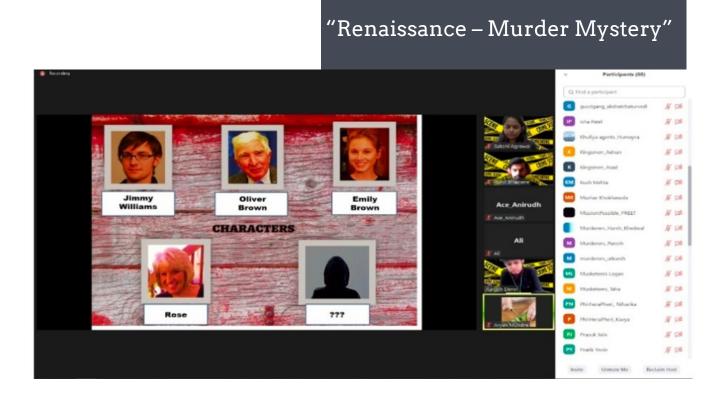
 The Computer Society of India (CSI) of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized "Renaissance - React-a-thon" on October 17, 2021 for all students of the all departments of colleges nationwide in association with the Department of Information Technology. The objective is to organise an event so that the participants can compete with other participants on the basis of their React coding skills.



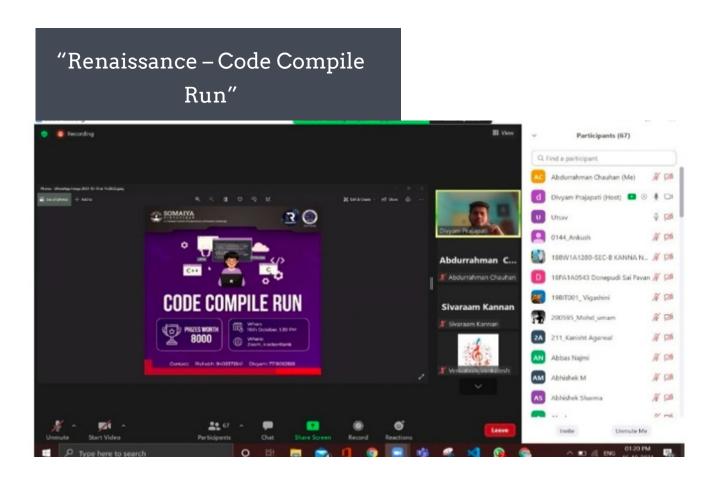
• The Computer Society of India (CSI) the Department of Information Technology of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized "Renaissance – Bull Run" on October 18 and 19, 2021 for all students of the all departments of colleges nationwide in association with the Department of Information Technology. The objective is to understand the financial gains of stock exchanges and crypto currencies in a fun and interesting way without risking their actual money.



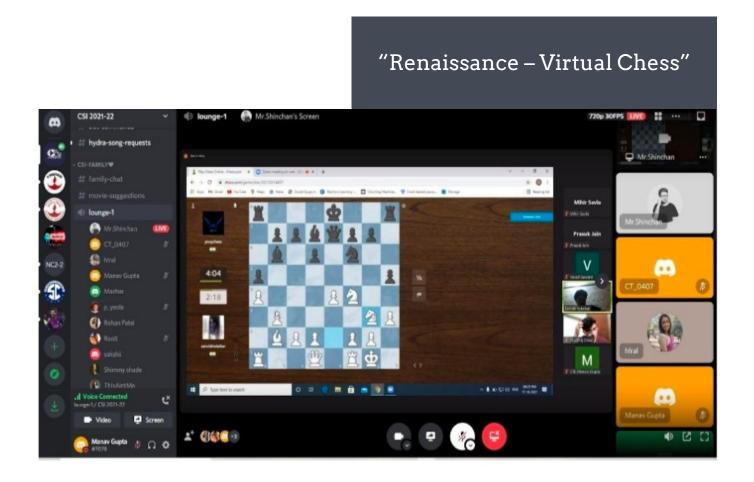
 The Computer Society of India (CSI) the Department of Information Technology of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized "Renaissance - Murder Mystery" on October 16, 2021 for all students of the all departments of colleges nationwide in association with the Department of Information Technology. The objective is to bring out the intuitive and curious nature of students.



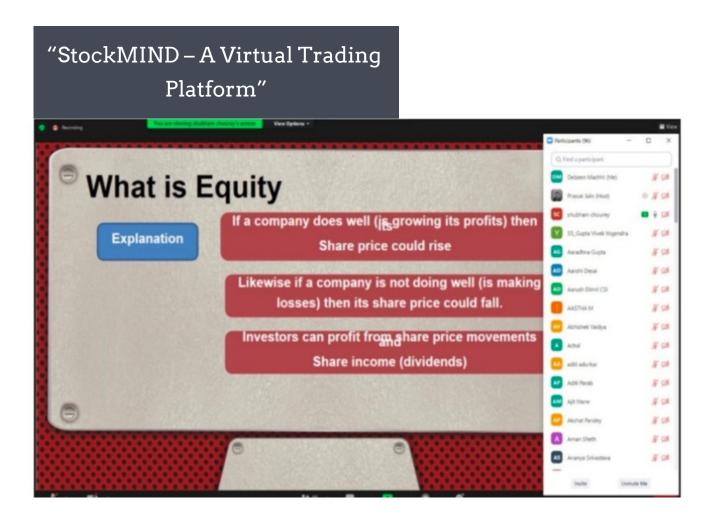
 The Computer Society of India (CSI) of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized "Renaissance - Code Compile Run" on October 16, 2021 for all students of the all departments of colleges nationwide in association with the Department of Information Technology. The objective is to organise an event so that the participants can compete with other participants on the basis of their competitive programming skills.



 The Computer Society of India (CSI) of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized "Renaissance - Virtual Chess" on October 17, 2021 for all students of the all departments of colleges nationwide in association with the Department of Information Technology. The objective is to organize a fun event for all chess enthusiasts and celebrate the spirit of chess.



• The Computer Society of India (CSI) of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized a webinar on "StockMIND - A virtual trading platform" on November13, 2021 for all students of the all departments of colleges nationwide in association with the Department of Information Technology. The objective is to provide students with a platform to develop and sharpen skills that are highly valued in any industry.



• The Computer Society of India (CSI) of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized webinar on "Poster Presentation Contest on the topic of Innovative Sustainable Solutions for IoT Applications" on November 14, 2021 for all students of the all departments of colleges nationwide in association with the Department of Information Technology. The objective is to make students get a broader knowledge about sustainable solutions in the Internet of Everything.

Webinar on "Poster Presentation"

Contest on the topic of Innovative

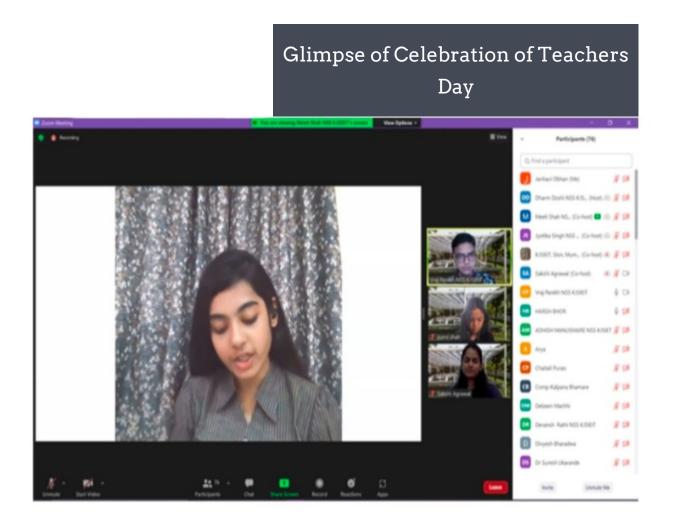
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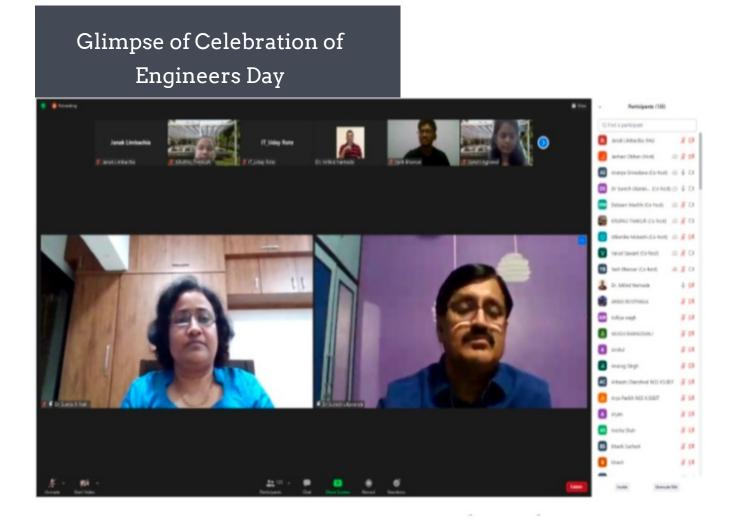
• The Computer Society of India (CSI) of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized webinar on "Entrepreneurship or Job - What should you opt for?" on December 27, 2021 for all students of the all departments of colleges nationwide in association with the Department of Information Technology. The objective is to motivate students and help them decide what they should go for in the future after graduation.



• The Students' Council of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized an interactive online event "Teachers Day Celebration" on September 05, 2021 for all second year, third year and final year students and faculty and staff members of the all departments in association with the Department of Information Technology. The objective is to thank and show gratitude towards hardworking teachers.

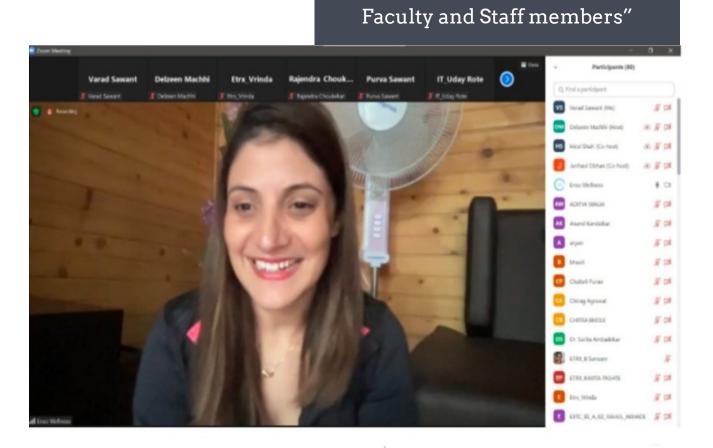


• The Students' Council of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized "Engineers' Day Celebration" on September 21, 2021 for all second year, third year and final year students and faculty and staff members of the all departments in association with the Department of Information Technology. The objective is to celebrate Engineers' Day.



• The Students' Council of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized webinar on "Mental Wellbeing" for the faculty and staff members on September 23, 2021 for all second year, third year and final year students and faculty and staff members of the all departments in association with the Department of Information Technology. The objective is to create awareness about mental health and its importance.

Webinar on "Mental Wellbeing for

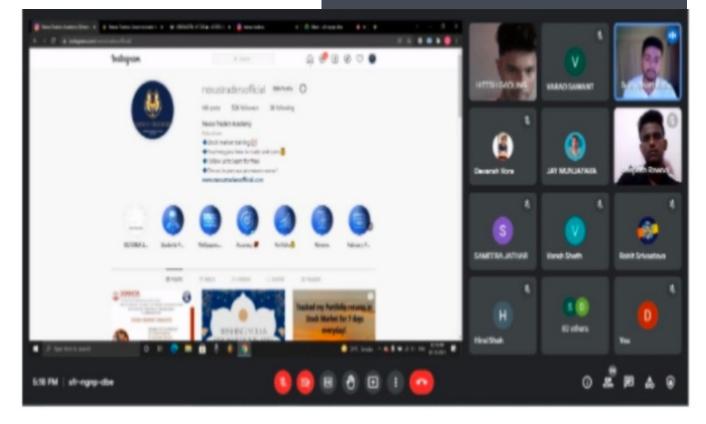


• The Students' Council of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized an interactive online event "Mahatma Gandhi Jayanti and Non-Violence Day Celebration" on October 02, 2021 for all second year, third year and final year students and faculty and staff members of the all departments in association with the Department of Information Technology. The objective is to celebrate the birth anniversary of Mahatma Gandhi.



• The Students' Council of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized Webinar on "Stock Market Insights" on October 30, 2021 at 5:00 pm for all second year, third year and final year students and faculty and staff members of the all departments in association with the Department of Information Technology. The objective is to provide exposure to the students in the area of financial market. The speaker will shed light upon major topics like stock markets and risk management. He will also explain Risk Management in derivatives using technical analysis.

Webinar on "Stock Market Insights"



• The Students' Council of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized event "Vijay Diwas Celebration" on December 16, 2021 for all second year, third year and final year students and faculty and staff members of the all departments in association with the Department of Information Technology. The objective of this event was interaction with a renowned soldier who shared his insights with the participants.

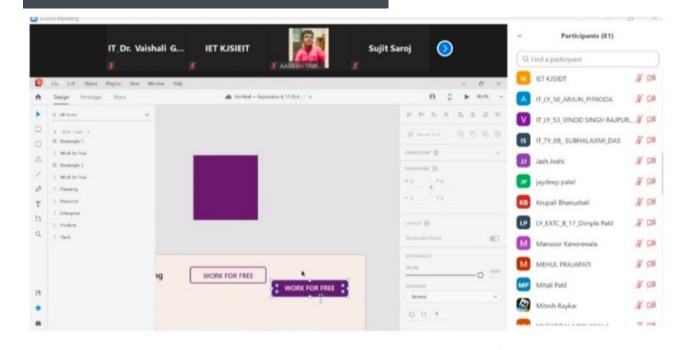


• The Students' Council of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized event "Kisan Diwas Celebration" on December 23, 2021 for all second year, third year and final year students and faculty and staff members of the all departments in association with the Department of Information Technology. The objective is to honour the birth anniversary of the fifth Prime Minister of India, Choudhary Charan Singh.

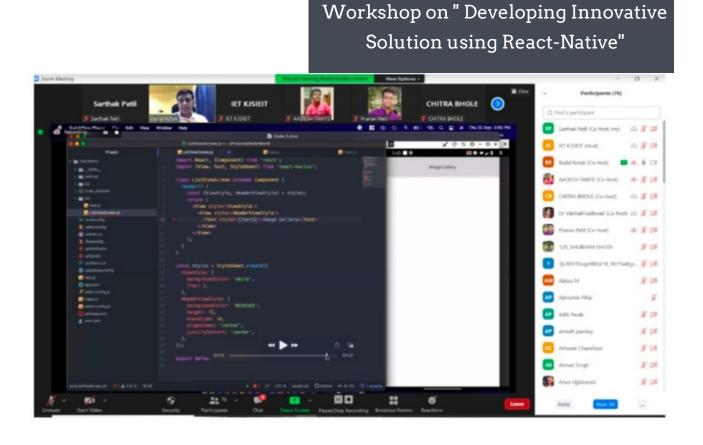


• The Department of Information Technology of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized Workshop on "UI/UX Tools for Innovative User Interface Design" on September 04, 2021 for all second year, third year and final year students of the all departments in association with. The objective is to make students learn what UX tools are and discover essential UI/UX along with bringing out creativity from each student so that they can build innovative applications that are usable, efficient and effective for intended users.

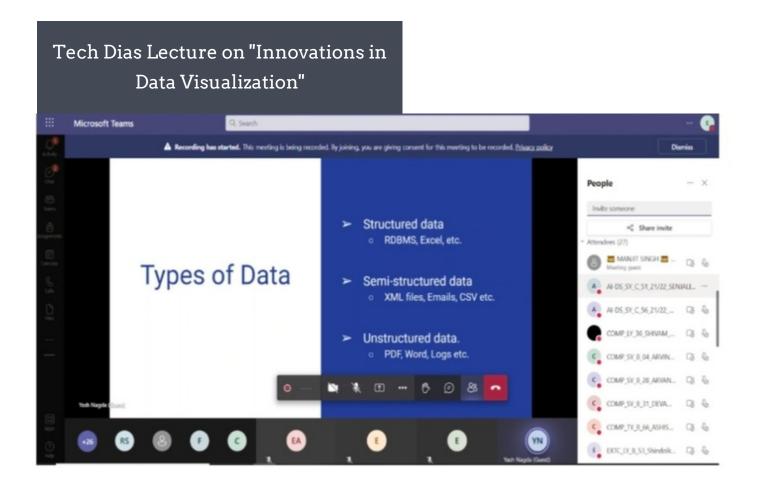
Workshop on "UI/UX tools for innovative user interface design"



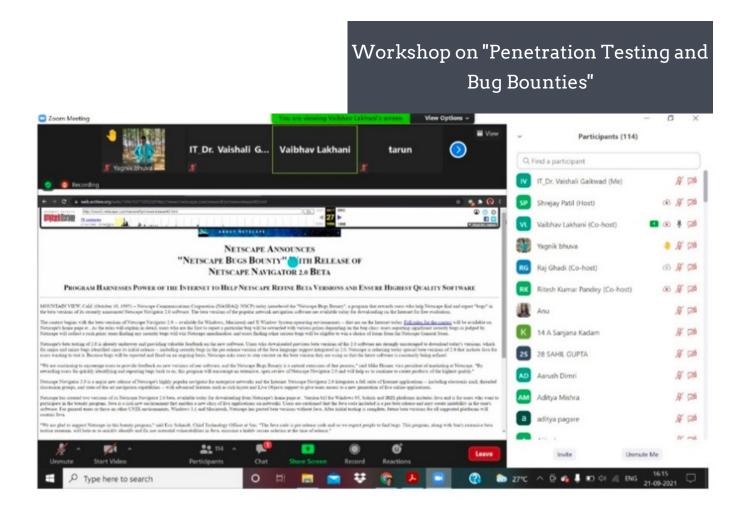
• The Department of Information Technology of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized Workshop on "Developing Innovative Solution using React-Native" on September 30, 2021 for all second year, third year and final year students of the all departments in association with The Institution of Engineering and Technology. The objective is to make students learn to prepare one code base for desktop, web and mobile apps across all platforms in the field of Hybrid Application Development and to learn open-source programming language React Native which is used in Uber, Flipkart, Tesla etc.



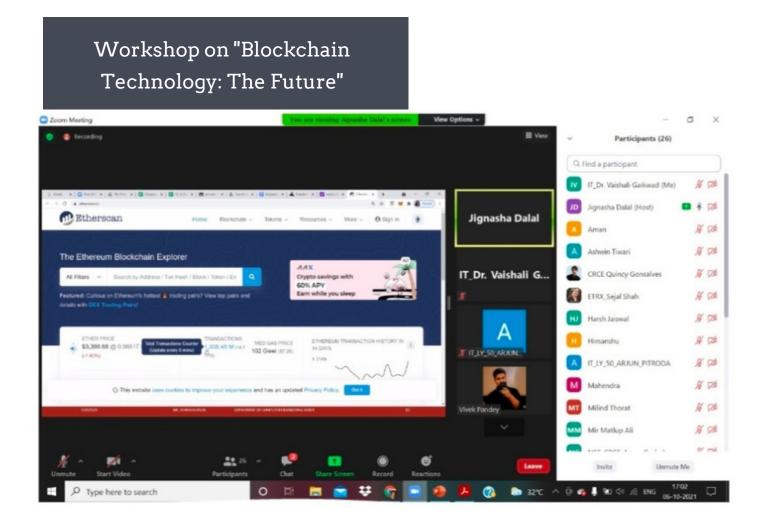
• The Department of Information Technology of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized a Tech Dias Lecture on "Innovations in Data Visualization" on December 27, 2021 for all second year, third year and final year students of the all departments in association with The Institution of Engineering and Technology. The objective of this Tech Dias Lecture was to make students learn about data analytics and it's need and introducing them to data visualization and industry-based data analytics tools.



• The Department of Information Technology of K.J Somaiya Institute of Engineering and Information Technology, Sion (KJSIEIT) organized a Workshop on "Penetration Testing and Bug Bounties" on September 21, 2021 for all second year, third year and final year students of the all departments in association with The Cyber Security and Research Cell. The objective of this workshop was to explain penetration testing and bug bounties, also explain working of open-source intelligence tools, to create google dorks and publishing it.



The Cyber Security and Research Cell of K.J Somaiya Institute
of Engineering and Information Technology, Sion (KJSIEIT)
organized a Workshop on "Blockchain Technology: The
future" on October 6, 2021 for all second year, third year and
final year students of the all departments in association with the
Department of Information Technology. The objective of this
workshop kindle awareness about Blockchain Technology.



• Principal Dr. Suresh Ukarande, Head - Department of Information Technology Dr. Radhika Kotecha, and Students from Department of Information Technology Mr. Keshav Mishra, Ms. Gitika Jha, Mr. Parth Maniar were felicitated by the Indian Society for Technical Education (ISTE) for the development of "ISTE Membership Portal" - a portal that enables professionals, students, and technical institutes across the nation to connect with ISTE — by applying for Life Membership, Institutional Membership, and Student Membership in an Online Mode. This ISTE Membership Portal was launched at the hands of the Chief Minister of Maharashtra State - Hon'ble Shri Uddhav Thackeray during the 50th ISTE National Annual Convention Award Function 2020 held on October 05, 2021 at Yashwantrao Chavan Center, Mumbai.



- Dr. Radhika Kotecha delivered an expert session on "Role and Applications of Artificial Intelligence in Internet of Things" in Faculty Development Program on "Internet on Things and it's Applications" organized by Graduate School of Engineering and Technology, Gujarat Technological University (GTU-GSET) and sponsored by AICTE Training and Learning Academy – ATAL) on October 06, 2021.
- Mrs. Sarita Ratod has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Technological Innovation of Artificial Intelligence in Medical Diagnostics" from December 06-10, 2021 at Shri Shankaracharya Technical Campus Bhilai.
- Ms. Reena Lokare has presented and published a paper titled "A study of Genetic Mutations, Amplification, Deletion and Fusion in Endocrine Resistant Advanced Breast Cancer" in 3rd Springer International Conference on Computational Science and Applications held on December 10, 2021 at MIT World Peace University, Pune, in online mode.

- Dr. Hariram Chavan, has reviewed papers of the, International Conference on Advances in Technology and Management, 2021, organized by A. C. Patil College of, Kharghar, Navi Mumbai on September 23-24, 2021.
- Dr. Hariram Chavan, has reviewed papers of the, IEEE
 Conference on Technologies for Future Cities 2021 (IEEE
 CTFC-2021) organized by Pillai College of Engineering, Panvel,
 on October 8-9, 2021
- Dr. Hariram Chavan, has reviewed papers of the IEEE International Conference on Advances in Computing, Communication, and Control (ICAC3'21) organized by Fr. Conceicao Rodrigues College of Engineering on December 3-4, 2021.
- Dr. Hariram Chavan invited as a Resource person for ISTE approved STTP on "Data Science Using Python" from December 13-18, 2021 organized by Department of Information Technology of the Shah & Anchor Kutchhi Engineering College

- Dr. Hariram Chavan invited as a Resource person for AICTE and ISTE sponsored one-week refresher Program on "Deep Learning and It's Applications" from December 13-18, 2021 organized by K. J. Somaiya Institute of Engineering and Information Technology.
- Mrs. Vijaya Umesh Pinjarkar was invited as a syllabus revision committee member for the subject Human Computer Interaction course (both theory and practical) in Sant Gadge Baba Amravati University in December 2021.
- Mrs. Vijaya Umesh Pinjarkar attended a webinar on "Entrepreneurship" on December 09, 2021, organised by department of Information Technology, K. J. Somaiya Institute of Engineering and Information Technology.
- Mrs. Nasim Shah attended a webinar on "Entrepreneurship" on December 09, 2021, Organised by department of Information Technology, K. J. Somaiya Institute of Engineering and Information Technology.

- Dr. Vaishali Gaikwad attended a webinar on **"Entrepreneurship"** on December 09, 2021, Organised by department of Information Technology, K. J. Somaiya Institute of Engineering and Information Technology.
- Dr. Vaishali Gaikwad successfully completed one week the Android Development with Kotlin Train-the-Trainer program from December 13-18 organized by Google Developers.
- Dr. Vaishali Gaikwad delivered a session on "Fundamentals & Applications of IoT and IoE" at Winter Internship in IoE organized by The Department of Information Technology, K. J. Somaiya Institute of Engineering and Information Technology.

Achievements of Students

Students from Department of Information Technology Prachiti
Gholap from T.Y. - B.Tech. secured the position of First in
Entrepreneurial Case Study Presentation organized by
Institution's Innovation Council (IIC) during Annual Technical
Festival Renaissance 2021-22 on October 18, 2021.

Certificate of Entrepreneurial Case
Study Presentation



Achievements of Students

 Students from Department of Information Technology Ritesh Kumar Pandey from T.Y. - B.Tech. secured the position of Winner in Technical Debate Organized by American Chemical Society (ACS) of K J Somaiya Institute of Engineering and Information Technology, Sion on October 17, 2021.

Certificate of Technical Debate



Achievements of Students

 Students from Department of Information Technology Keshav Mishra and Vedant Kokate from L.Y. - B.Tech. secured the position of **Second** in VCET Hackathon Reloaded organized by Vidyavardhini College of Engineering and Technology on October 1-2, 2021.

Certificate of VCET Hackathon Reloaded





Internships

The Department of Information Technology has organized two internships for the students:

• Internet of Everything:

Theme: Internet of Everything

Duration: December 03, 2021 to January 03, 2022

Objectives:

- 1. To develop motivation for life-long learning on state-of-the-art technologies.
- 2. To develop sustainable solutions of real-world problems using Internet of Everything.



Glimpse of IoE Internship

Internships

• Web Development:

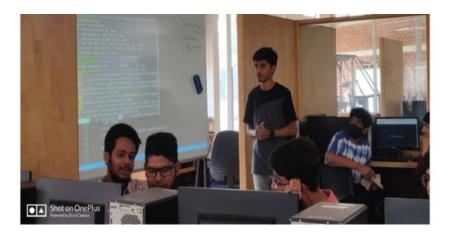
Theme: Web Applications: From Development to Deployment & SEO

Duration: December 23, 2021 to January 24, 2022

Objectives:

1. To learn the industry-standards for software development, deployment, and maintenance.

2. To develop motivation for life-long learning on state-of-the-art technologies.





Glimpse of Web Development
Internship

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