

K. J. SOMAIYA INSTITUTE OF TECHNOLOGY, SION, MUMBAI







Somanya TRUST

Somaiya Ayurvihar Complex, Sion, Mumbai https://kjsieit.somaiya.edu/en

DEPARTMENT OF BASIC SCIENCES & HUMANITIES

BS&H BYTES

BIANNUAL NEWSLETTER

JULY-DECEMBER 2022

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Campus Prayer



ॐ पूर्णमदः पूर्णमिदं पूर्णात पूर्णमुदच्यते । पूर्णस्य पूर्णमादाय पूर्णमेवावशिष्यते । । १। । ॐ ईशावास्यमिदं सर्वं यत् किं च जगत्यां जगत्। तेन त्यक्तेन भुञ्जीथा मा गुधः कस्य स्विद्धनम् । । २। । मुकं करोति वाचालं पड़गूं लङ्घयते गिरिम् । यत्कृपा तमहं वन्दे परमानन्द माधवम् ।।३[। ॐ प्रणो देवी सरस्वती वाजेभिर्वाजिनीवती धीनामवित्र्यवत् । ॐ चोदयित्री सुनृतानां चेतन्ती सुमतीनाम् । यज्ञम् दधे सरस्वती ।।४।। ॐ असतो मा सद्रमय । तमसो मा ज्योतिर्गमय । मुत्योर्मामृतं गमय । । ५। । ॐ सहनाववत् सहनौ भूनक्तु सहवीर्यं करवावहै । तेजस्विनावधीतमस्त्, मा विद्विषावहै । । ६ । । सर्वे त्र सुखिनः सन्तु सर्वे सन्तु निरामयाः । सर्वे भद्राणि पश्यन्तु मा कश्चिद् दुःखमाप्रयात् ।।७।। ॐ शांतिः, शांतिः, शांतिः॥

Somaiya Vidyavihar Vision

Our Founder, Padma Bhushan Shri. K. J. Somaiya founded Somaiya Vidyavihar on the 9th of September 1959. He later founded the Girivanvasi Pragati Mandal, The K. J. Somaiya Medical Trust, Girivanvasi Education Trust and sister institutions to make great citizens of India and the World. In the words of Swami Vivekananda, "We want that education by which character is formed, strength of mind is increased, the intellect expanded, and by which one can stand on one's own feet." We have now grown into a multi-disciplinary and multi-campus education institution with over 1500 faculty, and 38,000 students.

Our motto is: ज्ञानादेव तु कैवल्यम् । Knowledge alone liberates. Liberates from poverty, from hunger. Also to liberate one from the attachments that bind us to small-mindedness. Knowledge also provides opportunity. To make the life lived more meaningful. In the service of one's family, one's community, one's समाज, country, and indeed the world. Bearing in mind that there is no religion other than the life lived in the service of humanity, न मानुषात् परो धर्म: I We will strive to provide access and opportunity to build a more inclusive society.

Our education in any subject will reflect its timeless fundamentals, its current context, and applications. There is so much scientific discovery taking place, at the intersection of fields, of biology, computing, medicine, the social sciences and everywhere else. We will provide students and faculty with an environment to engage this world, to discover new truths, make new applications to create and share knowledge.

Our education will also be experiential. With projects that are 'real' and those that complement the learning inside the classroom. Our students and faculty will be at the cutting edge of change, to incubate companies, to create NGOs, and pursue any field of their passion.

Our education will also be holistic. Sports and physical exercise must be a firm part of the curriculum. For students to develop a love for sports, for recreation, for health, for teamwork, for competition. Our education will also instill an appreciation for art and culture.

In the Bhagavad Gita, Arjun asks Krishna how is one to control one's mind that is as fleeting as the wind. Krishna responds that it can only be done through practice and discipline. वैराग्येण तु कौन्तेय अभ्यासेन च गृहाते । We will strive to teach our students to learn to stay calm in our turbulent world.

And our education will also include the ancient Indian tradition, its culture, its depth, and its knowledge. We must keep the connection with our mother tongue and our languages. Languages are storehouses of culture, and the loss of a language takes with it much learning, stored through it over the ages.

Finally, our education will help students lead a full life, to fall in love with life.

Our dream, is to build a world class research and teaching institution, that is global in the reach of its ideas, and universal in its service. Welcome to our community.

Vision Mission Quality Policy Objectives of the An

Vision

To emerge as a synonym of quality, excellence, and commitment in the field of engineering education by unlocking potential, nurturing talent and transforming young minds to create future-ready engineers.

Mission

- To provide students with a thorough knowledge of engineering to refine their professional skills.
- To nurture creativity and innovation while encouraging multidisciplinary interaction.
- To train students to be industry ready and capable of working effectively as an individual and in teams.
- To inculcate ethical behaviour, responsibility, and commitment among students.

Quality Policy

- To conform to the requirements of regulatory authorities viz; All India Council for Technical Education (AICTE), Directorate of Technical Education (DTE) and UoM.
- To maintain transparency and fair practices in admission and recruitment processes.
- To ensure continuous evaluation and examination process.
- To ensure best academic ambience by providing high-end equipments in the laboratories, computers, learning resources and smart classrooms.
- To ensure a safe and secure environment for all stakeholders.
- To promote industry Institute interaction, research and development, placements, technical, co-curricular and extracurricular activities.

Objectives of the Institute

- To focus on persistent improvement in processes related to teaching, learning, and evaluation and to promote a culture of research and development among staff and students.
- To develop technical and interpersonal skills so that the students translate knowledge into action contributing to the benefit of the society.
- To enhance the learning experience of students by honing versatility through diverse activities.



Basic Science & Humanities

Vision

Department of Basic Sciences & Humanities tries to inculcate the knowledge of dynamic combination of science, technology and humanities by nurturing the basic technical skill-sets and honing professional decorum

<u>Mission</u>

- To promote ethical values and social responsibility through novel learning techniques in basic sciences and humanities.
- To improve logical thinking of students for knowing scientific truth, solving problems, and making good decisions.
 - . To develop ethical sensibilities through value based education

A FOREWORD BY DR. HARSHA MISHRA –HEAD OF BS&H DEPARTMENT



The Department of Basic Sciences & Humanities (BS) of KJ Somaiya Institute of Technology, with the Board of Studies Members, as a freshly conferred 'Autonomous' Institute are committed for the allinclusive careerist goals of at the First-Year students. The autonomous status has accorded the BS department the academic freedom to float its own syllabus and customize it as per the cutting-edge global technical trends. With credit-based scheme, we embark on a fresher vision to be competent with prime focus on 'employment-centric' syllabus with dynamic reformations in the syllabus. The core engineering undergraduate branches encompass—*Computer Technology (CE), Information Technology (IT), Artificial Intelligence and Data Science (AI-DS) & Electronics and Telecommunication (ET).*

The major shift in the First-Year syllabus has been set on the quality benchmark—a solid foundation on the core fundaments—the pre-requisite engineering holistic skills viz. the Applied Math, Sciences and Humanities curriculum with multiple prospects as per the industry requirements.



BS&H SIGNIFICANT ACHIEVEMENTS

Somaiya Vidyavihar Celebrated its 81st Foundation Day on 1st December, 2022

The Somaiya Vidyavihar celebrated its 81st Foundation Day on1st December, 2022. With its inception date as 1942, the first initiative in education undertaken by our Founder, Padmabhushan Shri K. J. Somaiya was starting a school in 1942 in rural Maharashtra, in Sakarwadi, Kopargaon Taluka, and Maharashtra. In the words of Shri. Samir Somaiya, Chairman, Somaiya Vidvyavihar, "This is earlier than when India gained independence from the British. It was in a spirit of nation building, and we continue our journey on that path to build a stronger nation."

The invited chief guest for the occasion was Shri Sabyasachi Mukherjee, the Director General of the Chatrapati Shivaji Maharaj Vastu Sangrahalaya - Mumbai who quoted Gurudev Rabindranath Tagore 'Education means enabling the mind to find out that ultimate truth which emancipates us from the bondage of dust, and gives us wealth, not things but inner light, not of power but of love, it is a process of enlightenment, it is divine wealth, it helps in realisation of truth ' Teaching must be one with culture, spiritual, intellectual, aesthetic, economic and social. True education is to realise at every step how our training and knowledge have an organic connection with our surroundings.'

Shri. Mukherjee complimented Somaiya Vidyavihar for the rich ethos our Founder Padmabhushan late Shri Karamshi Somaiya has created a little "*Shantiniketan*" in suburban Mumbai. He spoke strongly and passionately about the adverse impacts of technology, globalisation and power politics on cultural heritage. He said that as the world gets more globalised and homogenous and the notion of identity gets more complicated, there is a great need for places and people of diverse cultures to have places where they can see themselves and their roots, history, memories and future. And that education institutions and museums are probably the only places for people to explore their past and to reinvent their identity in a rapidly changing world.





Shri. Samir Somaiya, Chairman, Somaiya Vidyavihar Univeristy (SVV) & Shri Sabyasachi Mukherjee, the Director General of the Chatrapati Shivaji Maharaj Vastu Sangrahalaya as the chief guest on the occasion of 81st Foundation Day Ceremony at SVV.

KJSIT Awardees Felicitated on the Occasion of 81st Foundation Day Ceremony at Somaiya Vidyavihar

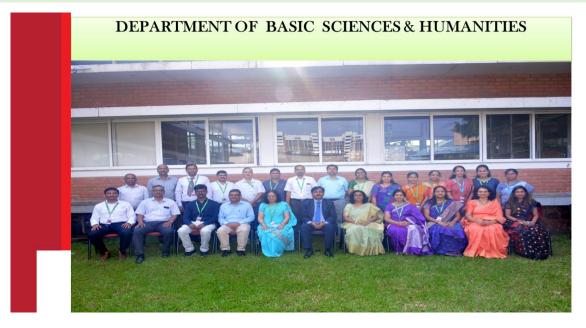


Prof. Shyamal Virnodkar was awarded "Excellence in Research - Higher and Technical Education"& Mrs. Chaitali Purao as "Best Outstanding Employee" with SVV Chairman Shri. Samir Somaiya, Dr. Suresh Ukarande--KJSIT Principal on the occasion of 81st Foundation Day on 1st Dec, 2022





DEPARTMENT OF BASIC SCIENCES & HUMANITIES



SUMMARY OF FIRST YEAR INDUCTION ORGANIZED FROM NOVEMBER 2022-

<u>*The Induction events used to be a continuous mandatory activity, the reports enclosed are</u> from November 2022-December, 2022

SR. NO	TITLE OF INDUCTION EVENT	RESOURCE	DATE
		PERSON	
1.	Orientation Programme of FY. B. Tech Students (10.30 am)	Dr. Harsha Mishra, HOD BS&H Dept.	15 th November, 2022
2.	Robocon (11.00)	Prof. Prashant Upadhyay	15 th November, 2022
3.	Library	Mrs. Gauri Gothivrekar	15 th November, 2022
4.	NLI (11.30)	Dr. Umesh Shinde	15 th November, 2022
5.	SDC (12.00)	Dr. Shyamal Virnodkar	15 th November, 2022
6.	Student Council (12.30)	Prof. Uday Rote	17 th November, 2022
7.	CSI (2.00)	CSI Convener— Mr.Uday Rote, CSI Coordinator s, Mr.Prashan	17 th November, 2022

		t Sawant and Mrs.Nisha Vanjari	
8.	Google Developer Club 2.30 PM-	Master Vatsal Gandhi (TY Compt Dept), Miss Manasvi Shetty (TY EXTC Dept)	17 th November, 2022
9.	NSS (3.00 PM)-vd	Prof. Pankaj Deshmukh—NSS Program Officer & student team—Miss Purvi Shah (TY Comp. Dept), Miss. Vritika Deodhar (TY Comp. Dept), Master Vraj Parekh (TY. AI-DS Dept), Master Devansh Vora(TY Comp. Dept) & Master Ved Trivedi (TY. EXTC Dept).	17 th November, 2022
10.	IEEE (3.30 PM)	Prof. Sandeep Mishra	17 th November, 2022
11.	IETE (4.00 PM)	Prof. Medha Asurlekar	17 th November, 2022
12.	IET 4.30 PM	Prof. Chitra Bhole	17 th November, 2022
13.	"Institution's Innovation Council (IIC) —Opportunities & Initiatives"	Dr. Radhika Kotecha: Convenor of IIC— (HoD - IT Department)	26 th November, 2022
14.	"Indian Society for Technical Education (ISTE) –an Overview" Organized	Dr. Umesh Shinde – Secretary KJSIEIT- Chapter (Dean, Research & Development Cell)	26 th November, 2022
15.	"Career Opportunities for Engineering Students in Public Sector (COEPS)its role for the Career Aspirants in the Public Sector"	Prof. Sandhya Desphande COEPS Cell Convenor, Assistant Professor, EXTC Department	10 th December, 2022
16.	"Department of Lifelong Learning and Extension (DLLE)- An Overview"	Dr. Sheetal Sawant Field Coordinator, DLLE, KJSCED, Vidyavihar,	10 th December, 2022

		Assistant Professor, Department of	
		Education	
17.		Dr.Pratibha Naitthani	17 th December,
	"Elimination of Violence	HOD Political Science,	2022
	"Elimination of Violence against Women"	St.Xavier's College,	
		Mumbai & a Social	
		Activist	
18.		Prof. Reshma Kamble,	31st December,
	"Dharma Studies- A Glimpse into the Great Indian Heritage Languages"	Faculty, KJ Somaiya Institute of Dharma Studies, Somaiya Vidyavihar	2022

F Y. B Tech. Induction: "First Year Orientation" organized on 15th November, 2022

K J Somaiya Institute of Technology (KJSIT) & Basic Sciences & Humanities Department (BS&H) organized *"First Year Orientation"* on *15th November (Tuesday), 2022* at 10.30 am in the auditorium. The event was in the direction to create awareness on the First Year Engineering Curriculum.

Participants: 300 *Mode:* Offline *Time:* 10.30 am-11.00 am

Objectives:

- The Orientation session was aimed to provide insights into the vital domains related to first year engineering,
- It aimed to emphasize on the focal highlights of KJSIEIT and Somaiya Vidyavihar (SVV) its multifarious dimensions

Key Points:

The event commenced with the presentation of Head of BS&H –*Dr. Harsha Mishra* who briefed the audience on the crucial points encompassing the BS&H Department. The roles, responsibilities, exam related information etc was provided in brief. *Dr. Sunita Patil*, Vice-Principal, credited an array of activities at KJSIEIT with state-of-the-art infrastructure with detailed strengths of the Institute. *Dr. Suresh Ukarande*, Principal, provided a succinct overview of the KJSIEIT honors and achievements as well as the autonomous characteristics. The individual faculty introduction was followed by *Mr. Nitin Urankar's* brief presentation on login credentials of SVV.

The event concluded with a vote of thanks and national anthem.

Outcomes:

• The Orientation event provided transparency to the newly admitted engineering students/stakeholders at KJSIEIT.







FY BTech Orientation organized on 15th November, 2022

F.Y. B. Tech. Induction on "Robocon" Organized on 15th November, 2022

K J Somaiya Institute of Technology (KJSIT) Department of Basic Sciences & Humanities organized the First Year Induction Program on *"Robocon"*. *Prof. Prashant Upadhyay* – Coordinator, Robocon, KJSIT (Assistant Professor, EXTC Department) was the Resource Speaker for the session.

Participants: 360

Mode: Offline

Objectives:

- To brief the newly admitted students about Robocon –its vital role in gaining practical exposure.
- To make students aware about benefits of the Robocon
- To brief the students about the events and activities organised by IIC

Key Points:

Prof Prashant Upadhyay, faculty coordinator, Robocon & Assistant Professor, EXTC Department presented a succinct information on the diversified facets of the committee. The students were guided through the various vital endeavours of Robocon. The students were enriched to know about the major achievements of the committee—the milestones attained; the events held by Robocon in the past years.

Outcomes:

- The students grasped the paramount role of Robocon in making of an Engineer
- The event led to an increased awareness on Robocon as a crucial committee for instilling technical skills amongst emerging Engineers





F.Y. B. Tech. Induction on "Robocon" Organized on 15th November, 2022

FY. B. Tech Induction on 'Library and Facilities- an Overview'

The Department of Basic Sciences & Humanities organized the First Year Induction Program on '*KJSIT-Library and Facilities—an Overview*' for the F.Y. B. Tech Students of the Institute. The event was organized in the month of November and December for Division A, B, C, D, E & F. *Mrs.Gauri Gothivrekar, Librarian* was the Resource Speaker for the same.

Participants: 360 (F.Y. B. Tech Div A, B, C, D, E & F)

Mode: Offline Classroom

Objectives:

- To make students aware about Institute's library's facilities
- To facilitate the registration process for the National Digital Library.

Key Points:

Mrs.Gauri Gothivrekar explained on Library offline facilities. Students were given

detailed procedure to access procedure of online facilities. An elaborate demo was provided to the students followed by the instructions forNational Digital Library registration and club registration. The registration process was also completed simultaneously.

Outcomes:

- The students gained significant awareness on the library facilities—virtual as well as the actual utilization of it.
- Students interacted with the Librarian and solved their queries about library
- Students were given awareness about the offline library facilities.

There was a question-and-answer session followed by a 'thank you' note by Dr. Vrushali Deole. In addition, Miss Prahelika Pail (Faculty in BS&H) & Mrs. Purva Swant (library staff) assisted in the conduction of the event. The participants completed the feedback formalities of the session.

Feedback Link:

https://forms.gle/xLGjqu5BKCcZh93i9





F.Y. B. Tech. Induction on "Library and Facilities- An Overview" Organized in the month of November & December,2022

F Y. B Tech. Induction: "New Leap Initiative" organized on 15th November, 2022

The Department of Basic Sciences & Humanities organized the *FE Online Induction on New Leap Initiative (NLI) by Dr. Umesh Shinde (Dean, R&D) on 15th November, 2022 at 11.30 am in the auditorium.*

Participants: 300

Mode: Offline

Timings: 11.30 am- 12 Noon

Objectives:

- The NLI Club aims to provide exposure in the domain of space technology with hands-on-training to work on in-house satellite in Institute
- To learn fundamental concepts of space researches—antennas, signals, circuits, with an emphasis on 'Make in India' devices optimization of resources at disposal.

Key Points:

Dr. Umesh Shinde provided an overview of the working of the New Leap Initiative Club working on mega projects of launching satellites, its awards, accolades etc. The students were enriched with project guidance on spatial research. The session encompassed the trending studies, extensive researching, taking part in competitions, the story of establishment of the NLI Club was shared with mega success stories of having won "*Touch the Jovian Moon*" by ISRO in 2018. Vital information related to Industry projects, structured part of the team for successive forthcoming satellite launch was being provided.

Outcomes:

- The NLI team provided a thorough direction in the domain of space technologies.
- The speaker equipped the learners with adequate knowledge on the advanced level projects like satellite launch undertaken by the NLI club.







FY BTech. Induction: "New Leap Initiative(NLI) " organized on 15th November, 2022

F Y. B Tech. Induction: "Software Development Cell (SDC)" organized on 15th November, 2022

The Department of Basic Sciences & Humanities organized the First Year Induction Program on —*Software Development Cell (SDC) on 15th November, 2022 at 12.00 pm in the Auditorium. Dr.Shymal Virnodkar, Assistant Professor,* Computer Department & SDC Coordinator was the resource speaker for the same.

Participants: 300

Mode: Offline

Time: 12.00 pm to 12.30 pm

Objectives:

- The Induction Program is aimed to make students understand importance of working on real time projects under SDC.
- To understand Internship opportunities available at Software Development Cell
- To understand SDC framework & its activities

Key Points:

Dr. Shymal Virnodkar covered following points:

- 1. Importance of Project Based Learning
- 2. Internship Opportunities available at SDC for students
- 3. SDC Consultancy and Institute Level Projects
- 4. Efficiently use the knowledge of engineering fundamentals.
- 5. Develop real time, social and industry-based projects.
- 6. Demonstrate professional and ethical behavior.
- 7. Work effectively as an individual and as a member of a multidisciplinary team.
- 8. Communicate effectively and sustain in different environments and culture

Outcomes:

- The participants gained significant insight into the wider dimensions of the SDC.
- Students gained knowledge on project-based learning through SDC.
- Students were provided with definitive action plan vis a vis activity of SDC so as to grab opportunity to work on real time project and learn new technologies with ethical environmental sustainability.





FY BTech. Induction: "Software Development Cell (SDC)" organized on 15th November, 2022

FY. B Tech. Induction: "Student Council" organized on 15th November, 2022

The Department of Basic Sciences & Humanities organized the First Year Induction Program on *Student council* for First Year Students on 15^{th} November 2022 from 12.30 – 1.00 PM in the auditorium. Mr.Uday Rote, Dean of Student affairs, was the Resource Speakers for the same.

Participants: 300

Mode: Offline

Time: 12.30 - 1.00 PM

Objectives:

- The Induction Program is aimed to impart information about the student council.
- To make the students aware about the activities of student council.

Key Points:

Mr.Uday Rote explained in detail about the student council and introduced the council members to the students. Mr.Rote explained in detail all the different committees and activities in our institute. The members of the student council also interacted with the FE students.

Outcomes:

- The Induction session helped introducing the Student Council to the newly admitted students.
- Students were made aware of Student council activities.







FY BTech. Induction: "Student Council " organized on 15th November, 2022

F Y. B Tech. Induction: "CSI Initiatives and Events" organized on 15th November, 2022

The Department of Basic Sciences & Humanities organized the First Year Induction Program on '*CSI Initiatives and Events*' on 15th November, 2022 at 2.00 pm in the auditorium. CSI Convener— *Mr.Uday Rote*, CSI Coordinators, *Mr.Prashant Sawant and Mrs.Nisha Vanjari* were the Resource Speakers for the same.

Participants: 300

Mode: Offline

Time: 2.00-2.30 pm

Objectives:

• To make students aware about Computer Society of India

- To make students understand the working of CSI
- To make students aware of the events organized by CSI

Key Points:

Mr.Uday Rote and team members provided information on the CSI. Different teams working under CSI were elaborated for students. The other Coordinators *Mrs. Nisha Vanjari* and *Mr.Prashant Sawant* also briefed about CSI to students and how to take membership in CSI.

Outcomes:

- Students gained a brief exposure of CSI.
- Students understood the activities of CSI.



FY BTech. Induction: "CSI Initiatives and Events" organized on 15th November, 2022

F.Y. B. Tech Induction on "Google Development Student Club (GDSC): Amplifying Developers' Skillset" on 17th November, 2022

K J Somaiya Institute of Technology's (KJSIT) Department of Basic Sciences & Humanities (BS&H) organized an event on "Google Development Student Club (GDSC): Amplifying Developers' Skillset" on 17th November, 2022 at 2. 30 PM. Master Vatsal Gandhi (Computer Department) and Miss Manasvi Shetty (EXTC Department), Student Coordinators were the presenters for the event. The session was organized under the guidance of Convenor Dr. Sarita Ambadekar, (HoD-Computer Department)

Participants: 150 *Mode*: Online Time: 2.30 PM – 3.00 PM

Objectives:

- To accentuate understanding about the university based community group GDSC that provides plethora of opportunities in honing Developers' skillsets
- To emphasise on the crucial paradigms of working with the GDSC with the fun-learning techniques

Key Points: Master Vatsal Gandhi and *Miss Manasvi Shetty* provided a detailed overview of the vital role of GDSC & its peer-to-peer learning environment. They highlighted the pivotal role of GDSC that provides networking opportunities and platform to build skillsets that will create avenues of growth in lives of students. They presented the events held, mission, vision

and futuristic scope of GDSC.

The event was taken over by the GDSC student-team who provided a brief overview of the functioning and roles of GDSC as a global organization.

Outcomes:

- The Induction session provided a definitive guideline on the crucial component of GDSC as a tool for modern engineers
- The futuristic scope of GDSC with activities turned out to be motivational one.

F.Y. B. Tech Induction of "KJSIT-NSS Unit —Roles & Functions" on 17th November, 2023

K J Somaiya Institute of Technology's (KJSIT) Department of Basic Sciences & Humanities (BS&H) organized an event on "*KJSIT-NSS Unit —Roles & Functions" on 17th November*, 2023 at 3.00 PM. *Prof. Pankaj Deshmukh*—NSS Program Officer & student team—Miss Purvi Shah (TY Comp. Dept), Miss. Vritika Deodhar (TY Comp. Dept), Master Vraj Parekh (TY. AI-DS Dept), Master Devansh Vora(TY Comp. Dept) & Mastr Ved Trivedi (TY. EXTC Dept).

Participants: F.Y. B. Tech Students

Venue/Mode: Online: MS Teams

Time: 3.00-4.00 PM

Objectives:

1. To brief students on the vital role of National Service Scheme (NSS) on the social initiatives undertaken at various levels

2. To promote awareness on NSS endeavors for societal purposes—blood donations, cleanliness drives, tribal upliftment initiatives etc

Key Points:

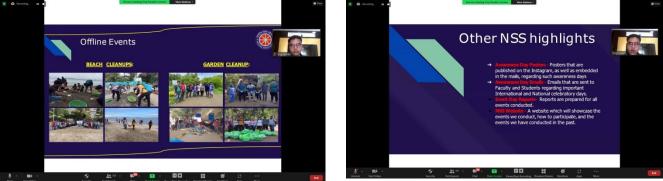
The KJSIT-NSS unit organized an awareness session on the crucial role of NSS as a social unit with various social initiatives. Prof. Pankaj Deshmukh & student team stressed on the significant role of engaging the youth in social initiatives.. Highlighting the societal initiatives undertaken by NSS unit-- blood donations, cleanliness drives, pet adoption, tribal upliftment initiatives, women empowerment, medical camps to name a few. The event created a motivational ambience as the first year students realized the important part they can play to make the society a better community to live in.

Outcomes:

• The event motivated the first year student to partake in the social missions & role of

imbibing social moral-ethical values

• The role of NSS as a contributory factor for the betterment of community



F.Y. B. Tech Induction of "KJSIT-NSS Unit —Roles & Functions" on 17th November, 2023

F Y. B Tech. Induction: "Institute of Electrical and Electronic Engineering (IEEE) - An Overview" organized on 17th November, 2022

K J Somaiya Institute of Technology's (KJSIT) Department of Basic Sciences & Humanities organized the First Year Induction Program on "Institute of Electrical and Electronic Engineering (IEEE)- An Overview" on 17th November, 2022 at 3.30 PM. The convenor of IEEE Prof. Sandeep Mishra (Assistant Professor, EXTC Department) was the resource speaker for the session.

Participants: 150

Mode: Online

Timings: 3.30 – 4.00 PM

Objectives:

- To make students aware about IEEE membership
- To make students aware about benefits of the IEEE students forum
- To brief the students about the events organized by IEEE

Key Points:

Prof. Sandeep Mishra provided succinct information on the IEEE student forum. In addition, guidance on the events and workshop organized, were discussed. The technical fests conducted were also discussed. The online events conducted were also explained.

Outcomes:

• Students gained a brief exposure of IEEE students' forum.

Students understood the benefit of taking membership in IEEE

FY. B Tech. Induction: "IETE Initiatives and Events" organized on 15th November, 2022

The Department of Basic Sciences & Humanities organized the First Year Induction Program on '*IETE Initiatives and Events' Organized* on 17th November, 2022 at 4.00 pm in the auditorium. IETE Faculty In charge Mrs.Medha Asurlekar was the Resource Speaker for the same.

Participants: 300

Mode: Offline

Timings: 4.00 - 4.30 pm

Objectives:

- To make students aware about IETE membership
- To make students aware about benefits of the IETE students forum
- To brief the students about the events organized by IETE

Key Points:

Mrs. Medha Asurlekhar and team members provided vital information on the IETE student forum. In addition, guidance on the events and workshop organized, were discussed. The technical fests conducted were also discussed. The online events conducted were also explained.

Outcomes:

- Students gained a brief exposure of IETE students' forum.
- Students understood the benefit of taking membership in IETE forum.

FY. B Tech. Induction: "Institution of Engineering and Technology (IET) - Avenues & Opportunities" organized on 17th November, 2022

K J Somaiya Institute of Technology's (KJSIT) Department of Basic Sciences & Humanities organized the First Year Induction Program on "Institution of Engineering and Technology (IET)- Avenues & Opportunities on 17th November, 2022 at 3.30 PM. The convener of IET Prof. Chitra Bhole (Assistant Professor, Computer Department) was the resource speaker for the session.

Participants: 150

Mode: Online

Timings: 4.30 – 5.00 PM

Objectives:

• To render students about multidisciplinary nature of IET

- To make students aware about perks of joining IET students forum
- To brief the students about the events, workshops, hands-on-training sessions organized by IET

Key Points:

Prof. Chitra Bhole provided comprehensive information on the IET student forum. In addition, guidance on the events and workshop organized, were discussed. The technical fests conducted were also discussed. The online events conducted were also explained.

Outcomes:

- Students gained a brief exposure of IET students' forum.
- Students understood the benefit of taking membership in IET

F.Y. B. Tech. Induction on "Institution's Innovation Council (IIC) —Opportunities & Initiatives" Organized on 26th November, 2022

K J Somaiya Institute of Technology's (KJSIT) Department of Basic Sciences & Humanities organized the First Year Induction Program on "Institution's Innovation Council (IIC) — Opportunities & Initiatives" on 26th November, 2022 at 11.00 AM. The convenor of IIC— Dr. Radhika Kotecha (HoD - IT Department) was the Resource Speaker for the session. Participants: 150 Mode: Zoom

Objectives:

- To brief the newly admitted students about IIC –its vital role in branding of the Institute.
- To make students aware about benefits of the IIC
- To brief the students about the events and activities organised by IIC

Key Points:

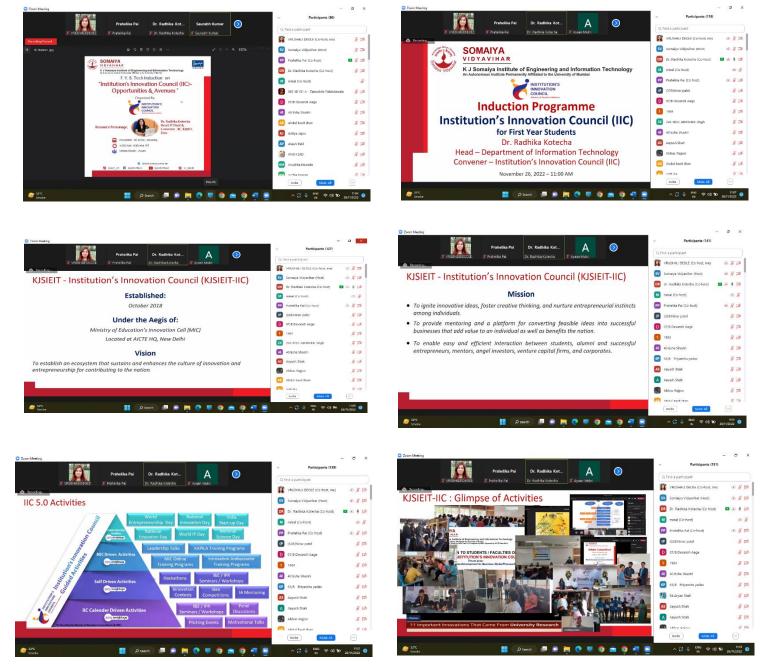
Dr. Radhika Kotecha, Convenor of IIC & Head, Department of Information Technology provided vital information on the Institution's Innovation council. The speaker discussed the vision and mission of the council with multifaceted events on innovation & entrepreneurship. In addition, guidance on the initiatives of MIC-IIC for students were deliberated. The achievements of IIC were also explained. The speaker briefed upon the significant milestones achieved by the cell with the top-rankings conferred upon KJSIEIT by the ministry of education.

Outcomes:

- Students gained a brief exposure IIC.
- There was an enhancement in the knowledge of the endeavours and vital role of IIC.

There was a question-and-answer session followed by the feedback formality.

Feedback Link: https://forms.gle/V84MNv2s91mWiz3P6



F.Y. B. Tech. Induction on "Institution's Innovation Council (IIC) — Opportunities & Initiatives" Organized on 26th November, 2022

F.Y. B. Tech. Induction on "Indian Society for Technical Education (ISTE) –an Overview" Organized on 26th November, 2022

K J Somaiya Institute of Technology's (KJSIT) Department of Basic Sciences & Humanities organized the First Year Induction Program on "Indian Society for Technical Education (ISTE) –an Overview" Organized on 26th November, 2022 at 11.30 AM. Dr. Umesh Shinde –Secretary KJSIEIT-Chapter (Dean, Research & Development Cell) was the Resource Speaker for the session. The ISTE student team—Master Moin Masurkar, Master Chirag Binayke & Ms. Ruchira Patil were also the co-presenters for the session.

Participants: 150

Mode: Zoom

Objectives:

- To assist and contribute in the production and development of top-quality professional engineers and technicians needed by the industry KJSIEIT's vital role in the process.
- To provide necessary guidance and training to students to develop better learning skills and personality.

Key Points:

Dr. Umesh Shinde & the ISTE student team presented a succinct information on the diversified facets of the committee. The students were guided through the various vital parameters of ISTE as an apex technical body. The students were enriched to know about the major achievements of KJSIEIT—the awards conferred by ISTE in the past years. The student team proactively interacted with the students on several paradigms –soft skills, leadership qualities, technical workshops etc that has been a focal point of ISTE-organized activities.

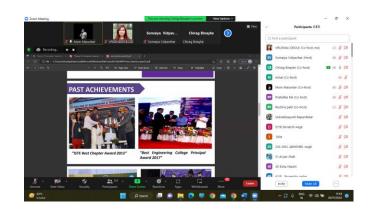
Outcomes:

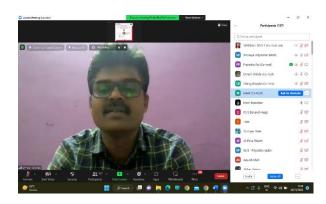
- The students grasped the paramount role of ISTE as a leading body with a motto of career development
- The event led to an increased awareness on the ISTE as a crucial committee for the personality development and holistic skill-sets in the direction of acquiring placements.

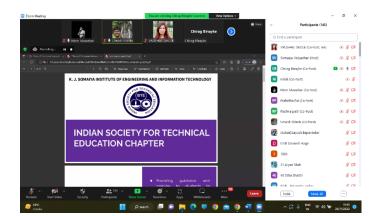
There was a question-and-answer session followed by the feedback formality.

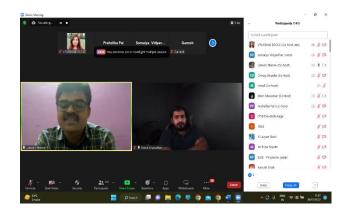
SOMAIYA Somarya VIDYAVIHAR Participants (141) K J Somaiya Institute of Engineering and Information Technology F.Y.B. Tech Induction on VRUSHALI DEOLE (Co-host, me) "Indian Society for Technical Education SV Somaiya Vid 20 0 % 0 (ISTE) - An Overview " CB KJSIEIT - ISTE strives to give unique id Chirag Binayka (Co-host 0%0 Organized By: solutions in technical wing. Also at KJSIEIT - ISTE, there is something beautiful about unforced Moin Masurkar (Co-host ... minal (Co-host € K bonds, the energy is real. PP 0 % 0 Ruchira patil (Co-host) @ # CA Dr. Umesh Shinde (Adiait) * 100 ISTE Chapter Secretary Dean, R&D , KJSIEIT, Sion D 07/8 Dev # 12 Resource Personage Contact us at iste.kjsieit@so 1904 # 125 2X 243 XIISC ABH ¥ 100 November 26, 2022 - Saturday 31. Aryan Shah ¥ 🕫 O 11.30 AM - 12. 00 Noon IST 40 Esha Shash \$ 00 Online Mode - Zoom **u**fi kjsieit.somaiya.edu/en ^ ■ 🖓 0 🛤 👳 d¢ 🐿 ----D Search Image: State of the state o kjsieitofficia

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F.Y. B. Tech. Induction on "Indian Society for Technical Education (ISTE) –an Overview" Organized on 26th November, 2022

F.Y. B. Tech. Induction on "Career Opportunities for Engineering Students in Public Sector (COEPS) --its role for the Career Aspirants in the Public Sector" Organized on 10th December, 2022

K J Somaiya Institute of Technology's (KJSIT) Department of Basic Sciences & Humanities organized the First Year Induction Program on "Career Opportunities for Engineering Students in Public Sector (COEPS)- it role for the Career Aspirants in the Public Sector" on 10th December, 2022 at 12.30 PM. The convenor of COEPS—Prof. Sandhya Desphande (Assistant Professor, EXTC Department) was the Resource Speaker for the session.

Participants: 150

Mode: Zoom

Objectives:

• To guide the newly admitted students about first-of-its-kind COEPS Cell- its vital role in building good rapport of the Institute with public sectors and providing opportunities

to Engineering Students

- To make students aware about benefits of the COEPS
- To brief the students about the events and internships offered by COEPS

Key Points:

Prof. Sandhya Desphande, Convenor of COEPS Cell & Assistant Professor, EXTC Department provided critical information on the Career Opportunities for engineering students in the public sector. The speaker discussed the role and opportunities provided by the cell with multifaceted real time projects & internships with public sectors like Central Railway and Nehru Science Centre. In addition, orientation on the initiatives of COEPS for students was deliberated. The achievements of COEPS were also explained.

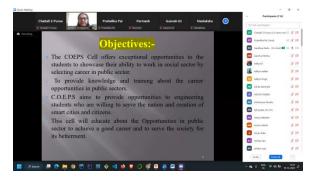
Outcomes:

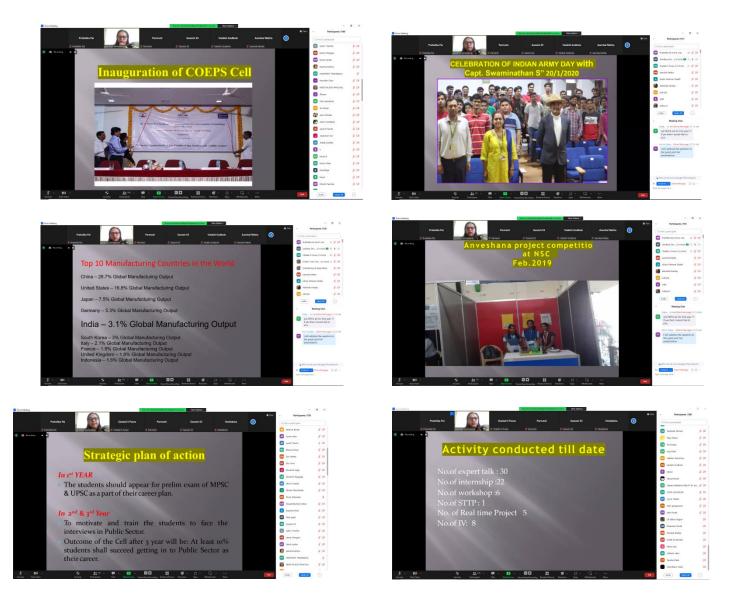
- Students gained a brief exposure of COEPS.
- There was an enhancement in the knowledge of the endeavours and vital role of COEPS.

There was a question-and-answer session followed by the feedback formality.

Feedback Link: <u>https://forms.gle/zpSqLZmH1D8GgWs67</u>







F.Y. B. Tech. Induction on "Career Opportunities for Engineering Students in Public Sector (COEPS)- its role for Career Aspirants in Public Sector" Organized on 10th December, 2022

F.Y. B. Tech. Induction on "Department of lifelong learning and Extension (DLLE)—an Overview" Organized on 10th December, 2022

K J Somaiya Institute of Technology's (KJSIT) Department of Basic Sciences & Humanities organized the First Year Induction Program on "Department of Lifelong Learning and Extension- An Overview" on 10th December, 2022 at 1.00 PM. Dr Sheetal Sawant, Field Coordinator, DLLE & Assistant Professor, Department of Education, KJSCED, Vidyavihar was the Guest Speaker for the session. Prof. Vidya Sagvekar, Extension Work Teacher, AI&DS Department, KJSIEIT coordinated for the event.

Participants: 150

Mode: Zoom

Objectives:

- To counsel students about DLLE-- its vital role in providing educational programs for a social change and instilling a sense of responsibility towards society
- To make students aware about benefits of the DLLE- in preparing students for greater social commitment and building soft skills.
- To brief the students about the projects by DLLE

Key Points:

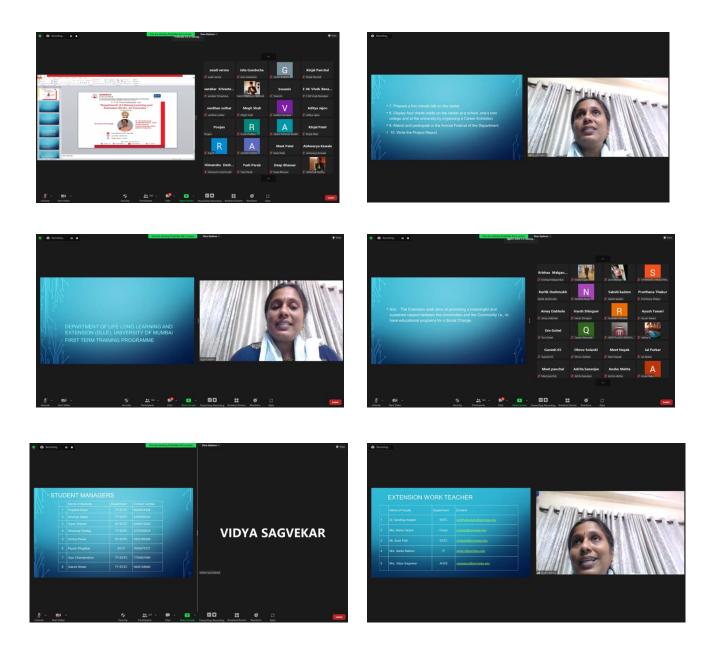
Dr Sheetal Sawant, field Coordinator of DLLE & Assistant Professor, Department of Education, KJSCED, Vidyavihar, provided comprehensive information on Department of Lifelong Learning and Extension. The students were guided about extension work projects that can bring significant social awareness and instil vocational skills amongst students. The students were given extensive knowledge about Career Project that aims at curating information on alternative careers which will further widen their horizons and enhance their employability skills.

Outcomes:

- Students gained a brief exposure of DLLE.
- There was an enhancement in the knowledge of the endeavours and vital role of DLLE.

There was a question-and-answer session followed by the feedback formality.

Feedback Link: https://forms.gle/kH6tYCQ213NHeJ3y6



F.Y. B. Tech. Induction on "Department of Lifelong learning and Extension: An overview" Organized on 10th December, 2022

Elimination of Violence against Women" Organized on 17th December, 2022

K J Somaiya Institute of Technology's (KJSIT) College Women Development cell (CWDC) in association with Department of Basic Sciences & Humanities (BS&H) organized an event on *"Elimination of Violence against Women'* on 17th December, 2022 at 4. 00 PM. *Dr. Pratiba Naitthani*, HoD of Political Science Dept. at St. Xavier's college & a social activist was the resource speaker for the event. *Dr. Harsha Mishra* briefed on the role, the constitution of WDC & Vishakha Committee –mandatory workings, guidelines –cases of sexual harassment. The event was graced by Dr. Suresh Ukarande—Principal, KJSIEIT.

Participants: 135

Mode: Zoom

Time: 4.00 PM- 5.00 PM

Objectives:

- To create awareness to prevent and eliminate violence against women and girls
- Calling for legal action to increase awareness, promote advocacy and create opportunities for discussion on challenges and solutions.

Key Points:

Dr. Pratiba Naitthani commenced the event with an animated conversation on the 'various forms' of violence against women. She highlighted on various forms of abuses –sexual, emotional, virtual and highlighted the role of mass media in 'sexual objectification of women' who are represented in obscene light. The most gruesome forms of violence in the form of acid attacks as well as brutality in rape cases, delay in justice proceedings were blazing examples cited during the session. Quoting from the cross-section of the society, Dr. Naitthani offered feasible solutions—changing the mindset of women, fast-track court proceedings for women related cases, desisting to view obscene pornography etc were in the form of awareness offered to the audience.

Outcomes:

- Students gained a crucial exposure on forms of violence against women and real meaning of violence
- There was an enhancement in the knowledge of the endeavours in the direction of restoring dignity and respect of women

There was a question-and-answer session followed by the feedback formality.



Feedback Link: https://forms.gle/ZbqfuWBCL9FWoDab6

















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Elimination of Violence against Women" Organized on 17th December, 2022. Dr. Pratiba Naitthani, HoD of Political Science Dept. at St. Xavier's college & a social activist was the resource speaker for the event

F.Y. B. Tech Induction on "Dharma Studies"- A Glimpse into the Great Indian Heritage Languages" on 31st December, 2022

K J Somaiya Institute of Technology's (KJSIT) Department of Basic Sciences & Humanities (BS&H) organized an event on "*Dharma Studies --A Glimpse into the Great Indian Heritage Languages*" on **31**st **December, 2022** at 11. 00 AM. Miss Reshma Kamble Faculty, K J Somaiya Institute of Dharma Studies, Somaiya Vidyavihar was the resource speaker for the event.

Participants: 135

Mode: MS Teams

Time: 11.00 AM- 12.00 PM

Objectives:

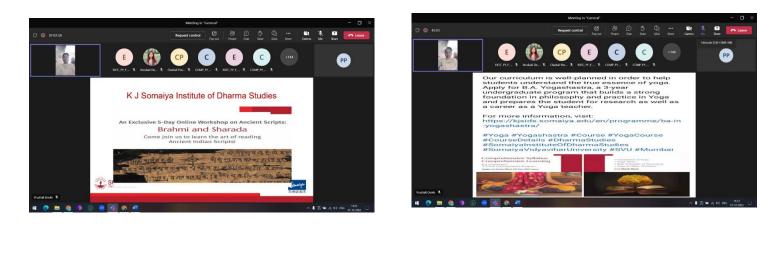
- K.J Somaiya Institute of Dharma Studies (Vidyavihar) aims to provide exposure in the domain of **Religion, Culture and Philosophy.**
- To learn fundamental concepts of Sanskrit, Philosophy and History as it is available in the terms of Diploma or Certified courses.

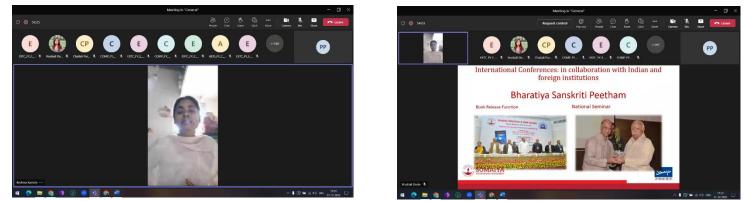
Key Points: Miss. Reshma Kamble provided an overview of the 'Dharma Studies' t along with their current studies—the center for Sanskrit, Tibetan languages, center for Buddhism & Jainism with it vital highlights. She also gave a brief about its establishment at their Institute, etc. The presenter also showcased the horizontal exploration of Dharma Studies at an International Level with various international affiliations with an aim to conserve and impart an awareness of the great Indian heritage the cultural aspects as well its languages.

Outcomes:

- The Presenter gave a noteworthy information about the list of courses that is available at K.J. Somaiya Institute of Dharma Studies (Vidyavihar)
- The speaker equipped the student's with adequate knowledge on the importance of Dharma Studies in today's Technical and Modernized world.

Feedback link: https://forms.gle/ChPDMdrgpmPB8XU27





F.Y. B. Tech Induction on "Dharma Studies"- A Glimpse into the Great Indian Heritage Languages" on 31st December, 2022

Details of Co-Curricular Activities Organized by BS&H Department:

(Seminar/ Paper Presentation /Group Discussion / Quiz / Debate/ Short Term Course / Working Model Presentation / Dynamic Debugging) :

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2022

Dr.Shahin Pathan organized seminar on "Soft Skills"by Dr. Kedar Dunakhe as a part of *ACS Students Chapter in* KJSIEIT Auditorium on 10/08/2022

Dr .Vrushali Deole coordinated & Anchored the Inaugural Session of "Two- Days Exposure Visit cum Training Program on Innovation & Entrepreneurship as a part of *KJSIEIT -IIC in* Riturang bldg KJSIEIT from 22/08/2022 to 23/08/2022

Dr.Harsha Mishra organized workshop on "Engineering Exploration" by Dr.Vijayalakshmi M.,Ms. Unnati Koppikar and Ms Preethi Baligar Faculty, Center for Engineering Education and

3 Research K.L.E. Technological University, Hubballi ,Karnataka a part of Department of Basic Sciences & Humanities KJSIEIT in online mode on 10/09/2022

 Dr.Shahin Pathan organized a Seminar on "Professional Ethics: An Essential Competency for
 Career Success by Seminar on "Professional Ethics: An Essential Competency for Career Success as a part of ACS Students Chapter in KJSIEIT Auditorium on 10/09/2022

Dr .Vrushali Deole organized a Seminar on "Business Model Canvas" (BMC) as a part of
Institutions Innovation Council (IIC) of K. J. Somaiya Institute of Engineering and
Information Technology (KJSIEIT),in Classroom of KJSIEIT on 14/09/2022

 Dr .Vrushali Deole organized a Seminar on "Telecommunications Opportunities and Interviewing" by Mr. Anupam Upadhyay as a part of EXTC Dept. in Association with Alumni Committee in Classroom of KJSIEIT on 23/09/2022

Dr .Vrushali Deole organized Seminar on "Designing Industry-Oriented Innovations through DSA" by Mr. Sujit Singh Alumni IT Dept 2016-17 pass out as a part of IT Dept in association with the Alumni Committee & Institutions' Innovation Council in online mode on 1st October

Dr.Shahin Pathan organized activity on COD Mobile as a part of ACS Students-Renaissance in KJSIEIT on 07/10/2022

Dr.Shahin Pathan organized activity on Fuel your Own Car as a part of ACS Students-Renaissance in Chemistry lab KJSIEIT on 06/10/2022

10 Dr.Shahin Pathan organized activity Chemistry Quiz as a part of ACS Students-Renaissance in Chemistry lab KJSIEIT on 06/10/2022 11 Dr.Shahin Pathan organized activity on Laser Tag as a part of ACS Students-Renaissance in Chemistry lab KJSIEIT on 06/10/2022 & 07/10/2022

Details Expert Talks arranged:

 Prof.Prashant Upadhyay was coordinator of Robocon Cell organized an induction program on activities of the 'Robocon Cell at the National and International level' for FY BTECH Students on 15/11/2022

Details of Staff participation in co-curriculum /Prize Winning activities:

(Seminar/ Paper Presentation /Group Discussion / Quiz / Debate/ Short Term Course / Working Model Presentation / Dynamic Debugging) :

Dr.Vrushali Deole was Resource person for the Seminar on "Business ModelCanvas" (BMC) organised by Dr. Radhika Kotecha –IIC Convener & coordinated by Master Ritesh Pandey (TY. BTech, IT Branch on 14/09/2022 in Classroom no 7 KJSIEIT

1

2 Dr.Vrushali Deole was Judge at the National level Debate ,Fr. Conceicao Rodrigues Memorial Debate on 08/10/2022 at Fr. Conceicao Rodrigues College of Engineering ,Bandra Mumbai

Dr. Vaishali Ghadyalji was Judge at the National level Debate ,Fr. Conceicao Rodrigues

3 Memorial Debate on 08/10/2022 at Fr. Conceicao Rodrigues College of Engineering ,Bandra Mumbai

Prof.Prahelika Pai was Coordinator of a Research Colloquium on topic "Leadership through literature", for Department English, SNDT Women's University, Guest Speaker: Dr. Neerja

4 Pande, Dean IIM Lucknow Noida Campus, Professor Communication, IIM Lucknow in online mode on 19/11/2022

Dr. Vrushali Deole completed 21 kms half marathon on the theme "Clean Coasts and Clean
seas make healthy lives", Organized by IndianOil WNC Navy Half Marathon on 20/11/2022 at Colaba

Dr.Harsha Mishra was Internal Expert for the Panel 3 Track -Computer Science & Advance in

6 Signal Processing (ASN) of 5th International Conference on Advanced Science & Technology (ICAST 2022) on 03/12/2022 at KJSIEIT Sion

Dr. Vrushali Deole was Internal Expert for the Panel 1 Track -Computer Science 5th

7 International Conference on Advanced Science & Technology (ICAST 2022) on 03/12/2022 at KJSIEIT Sion

Dr. Vrushali Deole completed 21 kms half marathon as part Amchi Mumbai Half marathon 2022 on 25/12/2022 at Colaba

Details of Co-Curricular Activities Organized by the Department:

8

(Seminar/ Paper Presentation / Group Discussion / Quiz / Debate/ Short Term Course / Working Model Presentation / Dynamic Debugging) :

Sr. No	Name of staff	Name of Workshop /STTP/Conference	Name of Organizer	Venue	Period
1	Dr .Vrushali Deole	Coordinated & Anchored the Inaugural Session of "Two- Days Exposure Visit cum Training Program on Innovation & Entrepreneurship	KJSIEIT -IIC	Riturang bldg KJSIEIT	22/08/2022
2	Dr.Harsha Mishra	Workshop on "Engineering Exploration" by Dr.Vijayalakshmi M.,Ms. Unnati Koppikar and Ms Preethi Baligar Faculty, Center for Engineering Education and Research K.L.E. Technological University, Hubballi,Karnataka.	Department of Basic Sciences & Humanities KJSIEIT	Online	10/09/2022
3	Dr .Vrushali Deole	Seminar on "Business Model Canvas" (BMC)	Institutions Innovation Council (IIC) of K. J. Somaiya Institute of Engineering and Information Technology (KJSIEIT),	Classroom of KJSIEIT	14/09/2022
4	Dr .Vrushali Deole	Seminar on "Telecommunications Opportunities and Interviewing" by Mr. Anupam Upadhyay	EXTC Dept. in Association with Alumni Committee	Classroom of KJSIEIT	23/09/2022

Details of Staff attended STTP / Seminars / Workshop / Symposia / Short Term Course / Orientation Programme / Refresher Programme

Sr.	Name of staff	Name of Workshop	Name of	Venue	Period
No.		/STTP/Conference	Organizer		
1	Prof.Vivek Mane	Online International Faculty Development Program on "The Role of Artificial Intelligence in Renewable Energy Applications"	Department of Electrical & Electronics Engineering ,KPR Institute of Engg & IT ,Coimbatore Tamilnadu	Online	01/08/2022 to 05/08/2022
2	Dr.Harsha Mishra	Workshop on "Engineering Exploration" by Dr.Vijayalakshmi M.,Ms. Unnati Koppikar and Ms Preethi Baligar Faculty , Center for Engineering Education and Research K.L.E. Technological University, Hubballi,Karnataka.	Department of Basic Sciences & Humanities KJSIEIT	Online	10/09/2022
3	Dr.Harsha Mishra	Webinar On Intellectual Property Rights By Dr.Amol Patil	THE IPR CELL, Somaiya Vidyavihar University	Online	06/09/2022
4	Dr.Harsha Mishra	Fit India Movement on account of National Sports Day	Somaiya Ayurvihar	Somaiya Ayurvihar Complex	29/08/2022
5	Dr.Harsha Mishra	Webinar on "A Deep Dive into Happiness"	The Internal Quality Assurance Cell of KJSIEIT	Online	20/08/2022

Details of Staff Participation in Co-Curriculum /Prize Winning Activities:

Sr.	Name of	Name of	Prize Details	Date	Venue
No.		Programme/Activity/Event			
1		Was Resource person for the	Resource person		Classroom
	Dr. Vrushali Deole	Seminar on "Business Model	for the Seminar		no 7
		Canvas" (BMC) organised by Dr.		14/09/2022	KJSIEIT
	DI. VIUSIIAII Deole	Radhika Kotecha –IIC Convener		14/09/2022	
		& coordinated by Master Ritesh			
		Pandey (TY. BTech, IT Branch)			
2		Half Marathon of 21 Kms at	Participation		Torrent
	Dr.Vrushali Deole	Torrent JITO Thane Half		20/03/2022	JITO
		Marathon 2022 for #Run for			Thane

	Cancer (social cause) in		Half
	02:42:36 (provisional timing)		Marathon