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

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

DEPARTMENT OF BASIC SCIENCES & HUMANITES

BS&H BYTES

BIANNUAL NEWSLETTER
JANUARY – JUNE 2024

PAGE NAVIGATOR

Campus Prayer

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ॐ पूर्णमदः पूर्णमिदं पूर्णात् पूर्णमुदच्यते ।
पूर्णस्य पूर्णमादाय पूर्णमेवावशिष्यते ।।१।।
ॐ ईशावास्यमिदं सर्वं यत् किं च जगत्यां_जगत् ।
तेन त्यक्तेन भुञ्जीथा मा गृधः कस्य स्विद्धनम् ।।२।।
मूकं करोति वाचालं पङ्गुं लङ्घयते गिरिम् ।
यत्कृपा तमहं वन्दे परमानन्द माधवम् ।।३।।
ॐ प्रणो देवी सरस्वती वाजेभिर्वाजिनीवती धीनामवित्र्यवतु ।
ॐ चोदयित्री सुनृतानां चेतन्ती सुमतीनाम् ।
यज्ञम् दधे सरस्वती ।।४।।
ॐ असतो मा सद्गमय । तमसो मा ज्योतिर्गमय ।
मृत्योर्मामृतं गमय ।।५।।
ॐ सहनाववतु सहनौ भुनक्तु सहवीर्यं करवावहै ।
तेजस्विनावधीतमस्तु, मा विद्विषावहै ।।६।।
सर्वे त्र सुखिनः सन्तु सर्वे सन्तु निरामयाः ।
सर्वे भद्राणि पश्यन्तु मा कश्चिद् दुःखमाप्नुयात् ।।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 I 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 गृह्यते I 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 Institute

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.
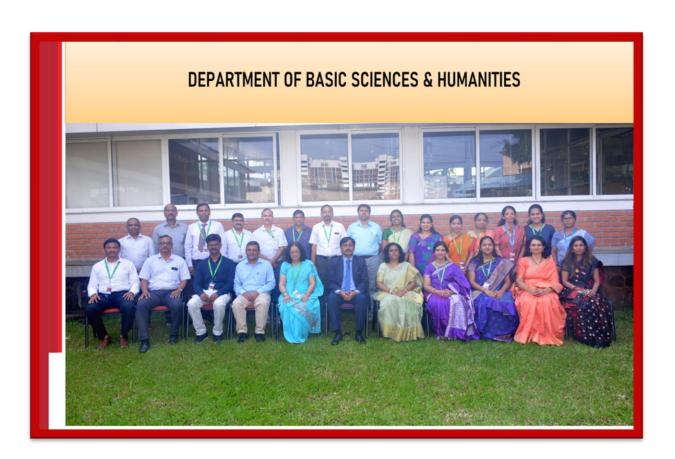
Mission

- 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.

DEPARTMENT OF BASIC SCIENCES & HUMANITIES

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
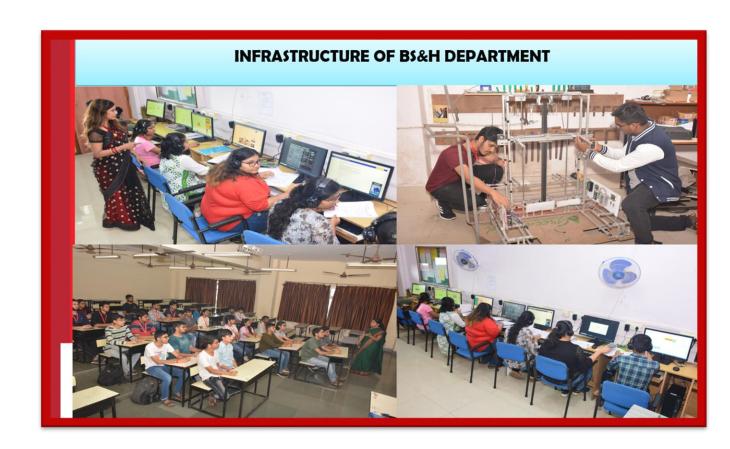
Mission

- 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

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 all-inclusive 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.

INFRASTRUCTURE OF BS&H DEPARTMENT

BS&H SIGNIFICANT ACHIEVEMENTS

A Brief Background of AICTE specified Induction Program for First Year Students: The events conducted from 18ᵗʰ September, 2024 to 30ᵗʰ December, 2024

K J Somaiya Institute of Technology's (KJSIT) department of Basic Sciences and Humanities (BS&H) has been organizing the First Year Induction Program as per the directives of All India Council for Technical Education –AICTE **since 2018**. The events are organized the direction of imparting training to deliver the Universal Human Values as a part of holistic measures for improving the quality of technical education.

Objectives: The mandatory Induction program was aimed to reinforce the fundamental concepts, to impart Universal Human Values and the required language skills required for technical education. In this direction, KJSIT has implemented the induction training to the newly admitted students.

Brief Background: The Induction program has been an initiative of the model curriculum of Undergraduate Studies in Engineering & Technology launched by Shri Prakash Javadekar Ji, Hon'ble Minister of HRD during a conference on 'Quality Initiatives in Technical Education' on 24th January 2018 at AICTE, New Delhi. In this direction, it has been decided by the universities/ institutions to adopt the model curriculum from the academic session 2018- 2019 onwards.

Participants: 505 F.Y. B. Tech Students

KJSIT adopts all the components as Per the Directives from AICTE, the following Nine Goals Are Provided in Brief:

Guidelines for Activity Based Learning:

At the start of the induction, the incumbents learn about the institutional policies, processes, practices, culture and values, and their mentor groups are formed. The different activities are:

1. **Orientation**: In the first session of Induction program learners and parents to be oriented about institute policies, processes, practices, culture and values. In addition to this, learners will be educated for 1st year academic program information in terms of academic calendar, assessment plan, grading information, university ordinances, rules and regulations related to academics.

2. **Mentoring**: Mentoring and connecting the students with faculty members is the most important part of student induction. Mentoring process shall be carried out in small groups, group of 10 students to be formed and allocate one senior student from 3rd year of same program in which new students have taken admission, students mentor will continue for two years, till student mentors graduate from the institute. For two (2) such groups one faculty mentor to be allocated from the same department/program, who will remain the mentor till

those students graduates from the institute. In the second session of Induction program, groups for mentoring to be formed and student mentors and faculty mentors to be introduced to newly inducted students. Introduction of mentoring system to be given to new students. Minimum one meeting to be conducted every month during semesters with students group by faculty mentors. For record keeping appropriate formats to be developed and information to be updated regularly by faculty mentors.

3.   Universal Human Values: Universal Human Values gets the student to explore oneself and experience the joy of learning, prepares one to stand up to peer pressure and take decisions with courage, be aware of relationships and be sensitive to others, understand the role of money in life and experience the feeling of prosperity. Need for character building has been underlined by many thinkers, universal human values provide the base. Methodology of teaching this content is extremely important. It must not be through do's and dont's, but by getting the students to explore and think by engaging them in a dialogue. It is best taught through group discussions and real life activities rather than lecturing. The role of group discussions, however, with clarity of thought of the teachers cannot be over emphasized. It is essential for giving exposure, guiding thoughts, and realizing values.

4.   Proficiency Modules: The induction program period can be used to overcome some critical lacunas that students might have, for example, English, Mathematics, computer familiarity etc. These should run like crash courses, so that when normal courses start after the induction program, the student has overcome the lacunas substantially.

> A diagnostic test should be conducted on Day 2 itself. Before the test, the students should be informed that the test would not affect their grades, branch change, or any aspect of their admission, placement, study, etc. Purpose of the test is to provide help to those students who need help in English, Mathematics, Computer proficiency etc. Students having more than 80% marks in their qualifying examination in respective subjects need not take the diagnostic test. For those below this cut-off, writing the test is mandatory. Students with weak performance in the test, must attend a non- credit course in Basic English, Basic Mathematics, and Basic Computer Operation etc. Their attending the course is mandatory. There would be no separate fee payable for the course. The classes of Basic courses must start from Day 4 at the latest.
> Students those who are excluded from basic courses, for them some activity in the domain of creative arts, cultural and literature to be organised.

5.   Physical Activity: Fitness session, yoga classes, lecture(s) on facing world with sportsman spirit, making young students aware that there is nothing like being failure in the world. The world gives opportunities to all.

> The incoming students must be divided into batches of 50 student's maximum, and a qualified coach in physical education/ faculty member should be attached to each batch. The list of available games, sport, or physical activities should be announced in orientation program on Day 1. They should be asked to fill their choice with three preferences, and the game or sport be allotted to them as per their preference. The physical activity should start from Day 3 onwards, wherein the student learns and plays his assigned game during the induction program. It is also important that along with his assigned game the student also practises yoga.

6.   Creative Arts, Cultural and Literary Activity: Qualified instructors for arts may be hired on contract basis and be paid honorarium as per norms of the institute. Daily 90 to 120 minute sessions may be arranged. The list of available art forms, such as vocal music, instrumental music, folk music, painting, sketching, dance, group dance, clay modelling, pottery, dramatics, etc. should be announced. They should be asked to fill their choice with three preferences, and the art form be allotted to them as per their preference. There should be sufficient number of teachers for each art form. The ratio may be kept as 1 teacher for every 25 students. A faculty member interested in literary activity should be assigned for organizing the activity. A list of books which are interesting and educational should be prepared beforehand. Books in Indian languages must be included and even given priority. Students are losing connection with languages in general and their own language, in particular. Students should be assigned a book or other smaller reading material. They should be asked to read and write a critical summary. They should present their summary in front of their group. A literary group may consist of around 30-40 students.

Similarly, debating and public speaking activity could also be undertaken. If the college can arrange for a drama workshop where a group of students learn and enact a play it would be very good. Not all the incoming students would do this, but those who wish may be provided the opportunity. Help may be taken from senior students engaged in such extra- curricular activities in the college.

7.   Familiarisation with Institute and Department: The students admitted in a branch would visit their allotted department or branch. The Head of the department and other associated faculty should address the new student's right on Day 2 or so. Arrangements should be made about the meeting/gathering. The parents of the students should also be welcomed if they accompany their ward. It would be helpful if an alumnus of the Dept. relates his professional experience related to the field of the study to the incoming students.

8.   Lectures /Workshops by Eminent People: Eminent people from all walks of life may be invited to deliver lectures, namely, from industry, academia, social science (authors, historians), social work, civil society, alumni etc. be identified and invited to come and address the new students. Motivational lectures about life, meditation, etc. by Ramakrishna Mission, Art of Living, S-VYASA University, Vivekanand Kendras, etc. may be organized. Workshops which rejuvenate or bring relief to students would also be welcome, such as, Art of Living workshops.

9.   Extra-Curricular Activity: Every college has extra-curricular activities. Most of them are student driven. They are organized by student councils and clubs. The extra-curricular activities going on in the college should be presented to the new students under the guidance of faculty advisors for such activity. The new students should be informed about how they can join the activities. Related facilities should be described to them. Presentation on the activities by the student council should be made.

10. Feedback and Report on the Program: A formal feedback at the end of the program should be collected from students by their filling a form in writing or online. Besides the above, each group (of 20 students) should write a report on the Induction Program towards the end of the semester. They would also have to make a presentation of their report. They should be encouraged to use slides while making a presentation. Presentation of the report should be made in the language they are comfortable with, without any insistence that it should be in English. It is more important that they feel comfortable and confident. Each group may make the presentation through 4-5 of its group members or more. In case, the number of new students in a college is large, the presentation should be made by each group in front of 4 other groups besides their own, thus there would be about 100 students (in 5 groups) in the audience in a session. Several such sessions could run in parallel or serially. In each session, their faculty mentors and student guides, if any, should also be in the audience. These sessions would tell you how well the program ran, and what the students are feeling at the end of the program. This would also serve as a grand closure to the program.

Induction Event 2: Diagnostic Test Conducted by Math Faculties on 20th September, 2024

K J Somaiya Institute of Technology's (KJSIT) department of Basic Sciences and Humanities (BS&H), its Math Faculties organized a "Diagnostic Test' on **20th September, 2024.** The diagnostic test has been a part of an assessment to test Math aptitude of the newly admitted students. The test is aimed to primarily assess student's knowledge of math and engineering fundamentals. Diagnostic tests are intended to enable students identify areas for improvement and acquire the knowledge needed for engineering program

Date: 20th September, (Friday), 2024

Time: As per the time table slots

Participants: 500 FY B. Tech. students

Organizers:
- ***Math Faculties teaching first year students***

Objectives:
- Diagnostic Test for 1st Year B. Tech students is aimed to assess a student's fundamental knowledge level and helps them meet the minimum knowledge level required for entry into a BTech program
- A remedial process after identifying 'weak students' with low scores are mentored with 'remedial sessions' to students who encounter difficulties in Math subject

Outcomes:
- The weak students are identified and they are recommended for remedial teaching to enhance their fundamental concepts in Math subject

- The diagnostic test hones the advanced engineering capabilities with a systematic approach to augment Math related concepts

K J Somaiya Institute of Technology's (KJSIT) Department of Basic Sciences and Humanities, College Women Development Cell (CWDC) and Vishakha Cell organized an F.Y. BTech Induction Program on *"Gender Sensitization"* on 27ᵗʰ September 2024 from 1.10 PM - 2.10 PM. The program was an initiative of M/SProctor & Gamble & *Ms. Kajal Naik Vaidyaa* was the guest speaker for the same.

The occasion was graced by *Dr. Harsha Mishra* (Chairperson of Vishakha Cell), anchored by Prof. Rama Kulkarni, and organized by Dr. Vrushali Deole, Dr. Anita Padhye, Prof. Prahelika Pai, Mrs. Gauri Gothiverekar (Secretary, Vishaka Cell) with assistance of Ms. Chaitali Purao, Ms. Minal Desphande, Mr. Rajesh Nirgude, Mr. Rajesh Gaikwad, Mr. Anil Mirgal, Mr. Ashok Ghadge, Mrs Mirabai, and Mr. Manoj B

Participants: 500 F Y BTech students
Venue: KJSIT's Institute Auditorium

Objectives:
- To create fair and sensitive society for equal co-existence
- To ensure the promotion of Gender Sensitive Environment
- To generate awareness related to individual health & well being
- To provide insights related to personal hygiene and grooming

Details of Speaker: Ms. Kajal Naik Vaidyaa is a leading expert in gender sensitization and personal hygiene. With over 15 years of experience in social work and media, she has empowered countless individuals and communities Her education is in post graduate diploma in Communication and Journalism and BA in English Literature, with certifications in social work and counselling. *Email*: kajal.naik@gmail.com Contact: 9619560765

Key Points:
Dr. Harsha Mishra (HoD, BSH Department & Chairperson of Vishaka Cell) briefed students about College Women's Development Cell (CWDC) and Vishaka Cell followed by guidelines on SAT III (Sem I) Induction Program subject which is credit-based.
The presenter—Ms Kajal Naik Vaidyaa interaction focused on crucial issues involved in Gender Sensitization, confidence building & suggestions to build your own brand. Vital points covered includes awareness on gender inequity, tips about confidence building, fostering self-belief, personal growth, grooming and overall personality development.
The event came to a close with a "thank you" note by Prof. Rama Kulkarni.

Outcomes:

- The event generated significant awareness about gender sensitization
- The session empowered young students with practical strategies and techniques for boosting their confidence.

Image Glimpses: F.Y. BTech Induction on 'Gender Sensitization' on 27th September, 2024

K J Somaiya Institute of Technology's (KJSIT) Department of Basic Sciences and Humanities, organized an F.Y. B. Tech. Induction Program on ***Exam Cell*** on 27ᵗʰ September 2024 from 2.10 PM - 3.10 PM. Dr. Vaishali Ghadyalji, Controller of Examinations, KJSIT was the key speaker for the event.

Speaker's Details
- Dr. Vaishali K. Ghadyalji is the Controller of Examinations and Associate Professor, Communication Skills, BSH Department, KJSIT.

Details of the organizer:

The event was organized by the Department of BS&H. Prof. Rama Kulkarni was anchor of the event. Dr. Vrushali Deole, Dr. Anita Padhye, Prof. Prahelika Pai with assistance of Ms. Chaitali Purao, Ms. Minal Desphande, Mr. Rajesh Nirgude, Mr. Rajesh Gaikwad, Mr. Anil Mirgal, Mr. Ashok Ghadge, Mrs Mirabai, and Mr. Manoj B. co-ordinated for the program.

Participants: 500 FY B. Tech. students

Venue: KJSIT's Institute Auditorium

Objectives:
- To elucidate conduction of TW/PR/OR and ESE
- To enunciate the rules and regulations governing examination conduct
- To clarify procedure on examination application, conduction, open house and re-verification
- To clarify policies in case of non-clearance of examination
- To brief the students on the examination, academic parameters as well as rules, regulations of the Institute.

Key Points:

Dr. Vaishali Ghadyalji, Controller of examination spoke about examination related definitive nomenclatures, credit allotment details, rules, procedures, protocols etc. Additionally, she also highlighted on the autonomous related schemes—majors, minor programs, curriculum, supplementary exams related information in addition to the significant parameters within the ambit of exam processes.

The event came to a close with a "thank you" note by Prof. Rama Kulkarni.

Outcomes:
● The First Year B. Tech students gained vital insights of the protocol, the roles & responsibilities to be abided for the AY 2024-2025.
● The learners gained gist exam related parameters, significant in-house activities, the importance of academics for the overall career enhancement

Glimpses of the event: F. Y. B. Tech. Induction on 'Exam Cell' on 27th September, 2024

K J Somaiya Institute of Tnology (KJSIT) formally welcomed the first year students to its vibrant sports community through Sports Freshers 2024 held on 27ᵗʰ, 28ᵗʰ September & 3ʳᵈ & 4ᵗʰ October 2024. This meticulously organized four-day event aimed to integrate the new batch into the institution's sports culture, fostering teamwork, discipline, and a spirit of healthy competition. **Prof. Sanjiv Badhe**—Sports In charge and KJSIT's Student Council were the organizers for the same.

Mode: Offline (KJSIT, Ayurvihar Campus)

Participants: 505 (F Y BTech Students)

*Objectives***:**
- To introduce the freshers to the sports infrastructure and opportunities available within the institution.
- To identify and encourage talented individuals for future participation in inter-collegiate events.
- To promote physical fitness, collaboration, and sportsmanship among first-year students.

Key Points: The event was span across four days, i.e, 27ᵗʰ & 28ᵗʰ September 2024 and 3ʳᵈ and 4ᵗʰ October 2024. Various types of sports activities were conducted in *Sports Freshers 2024*. The event witnessed enthusiastic involvement. The tournaments included Rink Football, Box Cricket, and Throw Ball. Students' council members and volunteers organized and managed functioning of *Sports Freshers 2024* under the guidance of Prof. Sanjiv Badhe.

The *Sports Freshers 2024* successfully achieved its objectives, setting the stage for an engaging and productive sports journey for the first-year students. The event underscored the institution's commitment to holistic development, blending academics with extracurricular excellence.

The details of various events held during the *Sports Freshers 2024* are outlined below:

Match No.	Date	Captain name	vs	Captain name
	DAY 1			
1	27th September	RAVI P	-	ADITYA Z
2	27th September	VANSH S	-	TRITH C
3	27th September	VARAD K	-	JAY A
4	27th September	HASIT M	-	VASU
5	27th September	DAKSH P	-	TANMAY P
6	27th September	SAAD S	-	MOHIT P
7	27th September	Ravi	-	SARANG D
8	27th September	ANIKET L	-	vansh
	DAY 2			
9	28th September	VARAD K	-	DAKSH
10	28th September	HASIT	-	SAAD
11	28th September	Varad	-	RAVI P
12	28th September	VANSH S	-	Hasit
	FINALE			
13	28th September	Varad	-	Vansh

Rink Football   WINNER 🏆 - VANSH SHAH

Box Cricket

Box no.	Match	Date	Time	Group	Team A	VS	Team B
1	M1	03rd October	3:00 - 3:30	Group 1	Yash Rana	VS	Shubham Gavas
2	M2	03rd October	3:00 - 3:30	Group 1	Deep Vora	VS	Neel Moradiya
3	M3	03rd October	3:00 - 3:30	Group 1	Saad Patel	VS	Utkarsh Yadav
4	M4	03rd October	3:00 - 3:30	Group 1	Anup Mehta	VS	Poojan Doshi
1	M5	03rd October	3:30 - 4:00	Group 2	Bhakar Ajay Kumar	VS	Fateh Ahmedali Mustaqali
2	M6	03rd October	3:30 - 4:00	Group 2	Mohammad Saad	VS	Sai Hadkar
3	M7	03rd October	3:30 - 4:00	Group 2	Vedant Khandelwal	VS	Ved Doshi
4	M8	03rd October	3:30 - 4:00	Group 2	Lakshish Ohara	VS	Vedant Sawan
1	M9	03rd October	4:00 - 4:30	Group 1	Salman Sait	VS	M1 Winner
2	M10	03rd October	4:00 - 4:30	Group 1	Rushabh Surana	VS	M3 Winner
3	M11	03rd October	4:00 - 4:30	Group 2	Moksh Patel	VS	M5 Winner
4	M12	03rd October	4:00 - 4:30	Group 2	Krishna Kshirsagar	VS	M7 Winner
1	M13	03rd October	4:30 - 5:00	Q1	M2 Winner	VS	M9 Winner
2	M14	03rd October	4:30 - 5:00	Q2	M4 Winner	VS	M10 Winner
3	M15	03rd October	4:30 - 5:00	Q3	M6 Winner	VS	M11 Winner
4	M16	03rd October	4:30 - 5:00	Q4	M8 Winner	VS	M12 Winner
4							
1	M1	4th October	3:30-4:00	Semi Finals 1	Deep Vora	Vs	Utkarsh Yadav
2	M2	4th October	4:00-4:30	Semi Finals 2	Sai Hadkar	Vs	Krishna Kshirsagar
3	M3	4th October	4:30-5:00	FINALS	W1	Vs	W2

Throwball

Match No.	Captain name	vs	Captain name
1	Tanisha Piyush Bhagat(8104945830)	vs	Vidhi Shah(7021450724)
2	Krisha Mehta(9326731971)	vs	Arushi Narkar(9892536544)
3	Himani Bamnikar()	vs	Vidhi anil gosar (8369480158)
4	WINNER 1	vs	WINNER 2
5	WINNER 3	vs	Mishti Shah(8356913655)
DAY 2			
6	WINNER 4	vs	WINNER 5

Outcomes:

- Through various team events students explored the application of athletic strategies such sportsman spirit, goal setting, positive self-talk and teambuilding.
- It offered a learning platform for students to test their organizing skills.
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Glimpses: Induction Event 4: SPORTS FRESHERS 2024 Organized on 27th & 28th September, 3rd & 4th October 2024

K J Somaiya Institute of Technology's (KJSIT) department of Basic Sciences and Humanities (BS&H) organized an official F.Y. B. Tech. Induction cum entertainment event themed **"Fresher's Meet' on 1ˢᵗ October, 2024**

Date: 1ˢᵗ October, (Tuesday), 2024

Time: 5. 00 PM – 9. 00 PM

Participants: 300 FY B. Tech. students

Venue: Open Canteen

Organizers:

Prof. Prahelika, Prof. Sanjiv Badhe, Dr. Umesh Shinde & Prof. Sandip Mishra, Prof. Uday Rote & Student Council Team

Objectives:
- The newly admitted students help students feel more confident and boost their creativity.

- To provide opportunity to get to know their seniors and form allied networks

Event Highlights:

The first year students received a jubilant welcome as the student council members teamed up to celebrate the 'new arrival' of the freshly admitted students in the campus. The event was a sheer spectacle as the new-admits enjoyed the excitement, joy, and laughter of the day by participating in array of events—talent rounds, Mr & Miss Fresher, Free style dance, Questionnaires, Games, Singing performances etc.

Outcomes:
- Motivated ambience and enhanced confidence with familiarization of the Institute

- Developed networks with the faculty, senior students that forms a crucial cemented force for cultivating formalized rapport in the context of allied inclinations

Image Glimpses:

F.Y.B. Tech Induction Event: "Fresher's Meet' on 1ˢᵗ October, 2024

K J Somaiya Institute of Technology's (KJSIT) Basic Sciences & Humanities Department (BSH) organized a guest lecture on "*Usefulness of Mathematics in the Field of Engineering*" on **4ᵗʰ October, 2024**. **Dr. Vivek Patkar**, former Operations Research Specialist at MMRDA as well as an acclaimed Mathematician was the resource speaker for the occasion.

Speaker Details:

Dr. Vivek Patkar holds B.Sc. (Hons.) degree in Mathematics and M.Sc. and Ph.D. in Operational Research, all from the University of Delhi, Delhi. He was Professor of Quantitative Methods and Operations Management at the ICFAI Business School, Mumbai.Prior to that, he worked for 25 years as an Operations Research Specialist in the Planning Division of Mumbai Metropolitan Region Development Authority (MMRDA). There he was involved in land-use planning, infrastructure financing, and area & transport development schemes. In addition, he guided establishment of a comprehensive Regional Information System employing geo-referencing tools of Remote Sensing and Geographic Information System (GIS) for urban planning and management in MMRDA. He is a Visiting Faculty to the Department of Library & Information Science of Mumbai University since 1985. Dr. Patkar is regularly invited as a resource person to the courses and seminars organised by the ICSSR, UGC Academic Staff College and Departments of Mathematics, Statistics, Computer Science, Civics and Politics, Geography and Education of Mumbai University and its affiliated colleges and many academic and research institutions in the country. Dr. Patkar has served as an External Examiner for the I.I.T. – Bombay, I.I.T. – Madras and I.I.M. Bangalore for their M. Tech. and Ph. D. programmes. There are 13 books on his name including two on the Research Methodology. To his credit are over 400 research papers and articles in reputed international technical journals, professional magazines and newspapers besides a variety of other publications.

Details of Organizers:
The event was organized by Department of B S & H. *Dr. Pashmi Kumavat, Prof. Divesh Singh & Prof. Gouri Deshpande* –Math Faculties in BS&H Dept coordinated the event.
Participants: F.Y.B. Tech Students (500 participants). In addition, the BS&H staff also assisted in the conduction of the event.
Mode/Venue: Auditorium
Time: 1.10 PM onwards

Objectives:

- Applying mathematical methods: Students learn to apply mathematical methods and principles to solve engineering problems.
- Developing logical understanding: Students develop a logical understanding of the subject and the relationship between mathematics and engineering.
- Conceptualizing engineering problems: Students learn to visualize and conceptualize engineering problems.

Key Points:

Dr. Vivek Patkar highlighted on the interdisciplinary aspects of Math as a fundamental subject. Few of the significant aspects were—*Innovation capacity, conceptual clarity, instrument fluency, fundamental outlook, problem solving, communication skill, constant consistency, relating with other subjects, clear cut ideas, use of calculator computer, logical thinking, application orientation, effective presentation, continuous development*.
 The speaker also addressed the crucial role Engineering Mathematics that can help students develop transferable skills such as problem solving, team working, communication, with broad multidisciplinary applications.

Outcomes:

- Students gained insight on model engineering problems mathematically using mathematical models.
- Students learnt strategies to solve engineering problems using various trending techniques.
- Students were able to analyse the importance of mathematical applications that can be applied in trending domains

There was a question-and-answer session followed by a 'thank you' note by Dr. Pashmi Kumavat.

Feedback link:
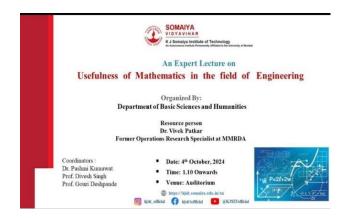https://docs.google.com/forms/d/e/1FAIpQLSdyGneKvBpBTrbC4LzRzXsUFGcsdl6eC_WBY_PhatDNyNHYjA/viewform

Image Glimpses: First Year Induction Event on "Usefulness of Mathematics in the Field of Engineering" Organized on 4th October, 2024

K J Somaiya Institute of Technology's (KJSIT) – Basic Sciences & Humanities Department (BS&H) organized an Induction Program on "***Robocon 2024: A Team Introduction***". The resource person for the same was Prof. Prashant Upadhyay, a faculty in the Department of Electronics and Telecommunication at KJSIT.

Speaker Details:

Prof. Prashant Upadhyay, an experienced faculty in the department of Electronics and Telecommunication at KJSIT. He has been the In charge of Robocon Cell and as a coordinator, he has more than ten years of dynamic experience in mentoring and training the students in Robocon.

Under the guidance of Prof. Prashant Upadahyay, K J Somaiya Institute of Technology received 3rd, 5th, 8th, 9th and 12th all India ranking in Asia pacific Broadcasting Union (ABU), National Robotics Contest (Robocon) for the year 2020, 2019, 2018, 2017 and 2015 respectively. Under e-Yantra more than 1500 students are trained in the field of embedded system and robotics since 2016.

Details of Organizers:
The event was organized by Department of B S & H. ***Dr. Pashmi Kumavat, Prof. Divesh Singh & Prof. Gouri Deshpande*** –Math Faculties in BS&H Dept coordinated the event.

Participants: F.Y.B. Tech Students (500 participants)
Mode/Venue: Auditorium
Time: 1.10 PM onwards
Objectives:
- To acquaint undergraduates about Robotics and research opportunities
- To provide exposure in developing robots from scratch in an interdisciplinary team of students.

Key Points:

Prof. Prashant Upadahyay with team of students had a vibrant interaction with the young audience. The presenter briefed on the varied roles of the robotic process while citing examples of automation (and allied technologies. He also shared inspirational story of the student team preparing the in-house bot, competing and winning the awards at apex levels.

Outcomes:

- Students acquired deeper knowledge on Robotics and the components requirement.
- Students developed understanding on the role of robotics with enhanced perspective on real time applications.

There was a question-and-answer session followed by a 'thank you' note by Dr. Pashmi Kumavat.

Feedback link:
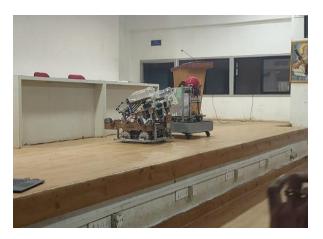https://docs.google.com/forms/d/e/1FAIpQLSdyGneKvBpBTrbC4LzRzXsUFGcsdl6eC_WBY_PhatDNyNHYjA/viewform

Image GlimpsesFirst Year Induction Event on "Robocon 2024: A Team Introduction" Organized on 4th October, 2024

K J Somaiya Institute of Technology's (KJSIT) - Department of Basic Sciences Humanities (BS&H) organized 'Proctor-Student Meet' –1st meeting, in the month of October, 2024. As a part of the Student Induction Program, the mentor engages with the new students as soon as they come into the institution; and the incumbents learn about the institutional policies, processes, practices, culture and values, and their mentor groups are formed. Then the different activities start, including those which are daily.

Mentoring takes place in the context and setting of Universal Human Values. It gets the student to explore oneself and experience the joy of learning, prepares one to stand up to peer pressure and take decisions with courage, be aware of relationships and be sensitive to others, understand the role of money in life and experience the feeling of prosperity. Need for character building has been underlined by many thinkers, universal human values provide the base. Mentoring with proactive interaction has facilitated guidance and giving exposure, guiding thoughts, and realizing values among the students.

As a specimen, the following are the minutes of the meeting of Students of First Year **G1 (G1-G21)** Batch for the AY 2024-2025 held on 7th ***Oct***, *2024* at 3.00 PM in Room No 802. The following points were discussed:

1. There was a self-introduction round of mentors, mentees at the onset
2. Dr. Vrushali guided students briefly on core areas of computer department & she interacted on the highlights of department and college
3. For SAT-III as a holistic subject with 50 marks (30 for event attendance & 20 marks for tech fest) participation—the crucial gradients were highlighted. In addition, mandatory participation during Renaissance—Technical festival to be organized on 14th & 15th October, 2024 with the credit /marks & significant aspects were briefed to the mentees.
4. Dr. Vrushali apprised on the importance of participation in co-curriculars—the technical festival Renaissance, significance of research, NPTEL online learning, Coursera etc to enhance career prospects.
5. Dr. Vrushali also emphasized on the importance of certifications to augment career prospects
6. Attendance issue was also discussed. It was recommended to increase the attendance percentage.
7. There was an informal interaction between the proctor & the mentor

Event Glimpses: F.Y. B Tech Induction on "Proctor-Student Meet' on 7th October 2024

K J Somaiya Institute of Technology (KJSIT) flagged off 'Renaissance' technical festival with great splendour on 14th October, 2024. The technical festival that was scheduled from 14th & 15th October, 2024, aspires to bring out holistic development of its students. The inauguration ceremony featured the esteemed presence of *Mr. Ashwin Moghe, Senior Vice President, Ultra Tech Cement;* was the chief guest for the inauguration ceremony. In addition, the event was graced by the presence of esteemed Principal-- *Dr. Vivek Sunnapwar, Prof. Vricha Chavan*—Technical Head, Prof. *Uday Rote*—Dean, Student Welfare, Heads of Departments, Deans, faculty, staff, technical committee conveners—*Master Nawang Shah* – (L.T. IT Dept.), master *Kushal Dhoble* (LY-AIDS) & *Miss Shreya Sati* (SY. Comp. Dept.), technical & the student council members & stakeholders graced the occasion.

The Renaissance theme for 2024 - *"AI Astra where AI Meets Infinity"* was a tribute to mark the revolutionizing impact of 'Artificial Intelligence' in our lives. The technical festival served as an occasion, to mark a respectful tribute for the great industrialist-philanthropist **Shri. Ratan Tata** who passed away on 9ᵗʰ October, 2024, leaving behind a heart-warming legacy via his compassionate acts influencing countless lives of both—humans and animals alike, positively.

Venue: Auditorium

Audience: 500 students

Feedback Link: *https://forms.gle/CwjvdAsnYBpVKeE47*

Objectives:

- Renaissance aims to provide a stimulating platform to encourage technological talents among the students in the direction of holistic growth.
- The participation in tech-fest aspires to enhance team work, leadership qualities for future job situations.

Key Points:

The event commenced with observance of the SVV protocol of illumination of the lamp, campus prayer, and rendition of Maharashtra Rajya Geet. Dr. Vivek Sunnapwar, Principal, felicitated the chief guest with a token of appreciation.

The convener members of the Technical Festival— master Nawang Shah, master Kushal Dhoble, & Miss Shreya Sati, zealously engaged with the faculty with lively Interactions & briefed the audience on various dimensions of the tech- fest. Technical In-charge—*Prof. Vricha Chavan* apprised on the crucial objectives of participating in the fest for career enhancement. She observed the role of AI perforating in the society with the adaptive Indians fast-embracing technical revolution. *Prof. Uday Rote* emphasized on AI as a potent tool to transform the society for seeping technological changes. He further highlighted the vital role of KJSIT that outspreads 30 professional bodies, committees & cells that aspire to provide a

platform for students to share their ideas and skills, and to encourage innovation beyond academics.

Dr. Vivek Sunnapwar applauded the Technical Team for organizing the event with diligent efforts. He aptly dedicated the tech-fest theme by citing philanthropic anecdotes of the legendary titan-philanthropist late. Shri Ratan Tata. The Principal provided significant allusions from the life of the benevolent magnet that ascertained to be a prominent force for India to become a 'global group'. Shri Ratan Tata played a crucial role in major Tea's acquisition of Tetley in 2000, as well as the iconic acquisitions of Jaguar and Land Rover by Tata Motors that amplified India's development paving way for creativity & innovative reforms with invigorating youth like Mr. Shantanu Naidu, one of the close confidantes of Shri. Raan Tata.

The chief guest ***Mr. Ashwin Moghe***, who exemplified the essence of the technical festival by metaphorically referring to—*Astra* (tool) to *Vastra*–referring it as one's basic needs. He provided varied illustrations of the multifarious range of AI, its real meaning, how can AI solve complex issues in society, advantages, downsides, AI as a potently responsible tool to be deployed for safety. He also cited routine AI examples of Google maps, assistance, driverless cars that AI has the potential to transform the way we work, as it provides us with tools to enhance productivity and creativity. However, it's essential to approach AI with ethics and data safety in mind, he cautioned. Mr. Moghe also generated an adept awareness on the board implications of AI role in era of great contribution in India from developing to a developed nation.

Outcomes:

- The tech-fest inspired the students to display multifarious technical skills in addition to the academic endeavors.

- The tech-fest offers broad opportunities for the students to contribute towards innovative performance to increase living standards and quality of life in our society.

Image Glimpses: KJSIT's Renaissance Technical Festival Organized on 14ᵗʰ & 15ᵗʰ October, 2024

K J Somaiya Institute of Technology's (KJSIT) department of Basic Sciences and Humanities (BS&H) organized F.Y. B. Tech. Induction Program event captioned as ***"Emotional Health: Mind your Mind"*** on ***18ᵗʰ October, 2024*** from 1.00 PM to 2.30 PM. ***Dr. Vrushali Deole***, Dean, Alumni Relations was the key speaker for the event.

Speaker's Details:
Dr. Vrushali Deole has been working at KJSIT since March 2005 & since January 2018, she has been heading as a Dean of Alumni Relations.

Details of the organizer:
The event was organized by the Department of BS&H & was coordinated by Chemistry Subject Faculties—Dr. Harsha Mishra, Dr. Shahin Pathan, Dr. Thulasi Pillai & Mrs. Chaitali Purao

Participants: 500 FY B. Tech. students

Venue: Institute auditorium.

Feedback Form: *https://forms.gle/1NRwJorbYPFrVoE57*

Objectives:
- The aim of emotional health is to help students to cope with varied stress and realize one's full potential.

- Awareness on Emotional health can improve physical health & can result in holistic wellbeing

Key Points:
Dr. Vrushali commenced the session by engaging with the audience with productive examples. Her talk on *'Emotional Health: Mind your Mind''* for the First Year Students. The key aspects of the interactive session encompassed key issues viz- ***How to reach emotional flexibility, significance of Emotional Intelligence (EI), examples of nobel prize awardees to demonstrate the crucial role of harnessing sound EI for workplace success etc.***
There was a question & answer session followed by a 'thank you' note by Dr. Shahin Pathan. Dr. Harsha Mishra: HoD of Basic Sciences & Humanities Department provided a small token of appreciation to Dr. Vrushali.

Outcomes:
- Enhancement of crucial dimensions of various types of health—viz. emotional, spiritual, moral, ethical, social with its impact on overall wellbeing
- Vital insight on the role of inter & intra personal skills-empathy, listening, teamwork, creating positive mindset as a part of developing life skills and career enhancement.
  Image Glimpses:

F.Y.B. Tech Induction Event: "Emotional Health: Mind your Mind" on 18th October, 2024

Induction Event 12: F.Y.B. Tech Induction Event: "Heartfulness Meditation" on 18ᵗʰ October, 2024

K J Somaiya Institute of Technology's (KJSIT) department of Basic Sciences and Humanities (BS&H) organized F.Y. B. Tech. Induction Program event captioned as *"Heartfulness Meditation"* on *18ᵗʰ October, 2024* from 2.30 PM- 4.00 PM. *Ms. Rakhee Arora*, Coordinator of School & Heartful Campus Programs, Mumbai Campus, was the key speaker for the event.

Speaker's Details:
Ms. Rakhee Arora, Coordinator of School & Heartful Campus Programs, Mumbai Campus, was the key speaker for the event. She has been a pioneer in creating awareness of importance of mindful meditation process among the college youth since many years.

Details of the organizer:
The event was organized by the Department of BS&H & was coordinated by Chemistry Subject Faculties—Dr. Harsha Mishra, Dr. Shahin Pathan, Dr. Thulasi Pillai & Mrs. Chaitali Purao.

Participants: 500 FY B. Tech. students

Venue: Institute auditorium.

Feedback Form: https://forms.gle/1NRwJorbYPFrVoE57

Objectives:

- To enable students of colleges and universities to acquire and experience a simple set of life-long practices, grounded in meditation

- Help students develop themselves as balanced individuals.

Key Points:

The speaker –Ms. Rakhee Arora & her team had a vivacious interaction with the audience. Providing vibrant examples from the domain of sports, literature, social life of successful and dynamic personalities, the speaker highlighted the paramount role of 'Meditation' that has numerous physical and mental health benefits, such as lowering blood pressure and boosting the immune system & building concentration for academics.

There was a guided demonstration of 'meditation process' for 15 minutes where the students were directed to focus on various breathing techniques. Post the meditation techniques, the students gained a valuable insight on benefits –meditation can

benefit students to develop emotional resilience, which is the ability to bounce back from setbacks. Meditation can help students improve the quality of their sleep. Meditation can help students approach problems with fresh perspectives and imaginative solutions.

There was a question & answer session followed by a 'thank you' note by Dr. Shahin Pathan. Dr. Harsha Mishra: HoD of Basic Sciences & Humanities Department provided a small token of appreciation to Dr. Vrushali.

Outcomes:

- Meditation process resulted in students' ability to cope with stress and anxiety, which enhanced their overall well-being

- Enabled students to develop 'self-awareness', a better understanding of themselves and how they relate to others.

Image Glimpses:

F.Y.B. Tech Induction Event: "Heartfulness Meditation" on 18ᵗʰ October, 2024

Brief Background

K J Somaiya Institute of Technology's (KJSIT Department of Basic Sciences & Humanities (BS&H) organized an F.Y. B. Tech. Induction Program on **"Exploration of Ideas for Project Applications"** on 25ᵗʰ October 2024 from 1.10 -3.10 PM. Mr Aashutosh Gupta and Mr. Hritik Maurya, KJSIT Alums were key speakers for the event.

Speaker's Details

Mr. Aashutosh Gupta is currently working as Sr. Embedded Engineer in Space And Tech Engineering LLP. He obtained a degree in Electronics and Telecommunication Enginnering from K J Somaiya Institute of Technology, Mumbai.

Mr. Hritik Maurya is presently employed as Sr. Avionics Engineer in Space And Tech Engineering LLP. He graduated with a degree in Electronics and Telecommunication Enginnering from K J Somaiya Institute of Technology Mumbai.

Both speakers, as proud alumni of KJSIT, have been mentoring numerous students in their academic projects.

Details of Organizers:
The event was organized by the Department of BS&H. Dr. Rajesh K. Meshram, faculty in the BS&H department was coordinator of the event. The department faculties Prof. Amol Futane and Prof. Kirti Patel gave the welcome speech and vote of thanks respectively. In addition, all other faculties and workshop staff in BSH department assisted in the execution of the event.

Participants: F.Y.B. Tech Students (505 students)
Mode/Venue: Auditorium, KJSIT
Time: 1.10 PM-3.10 PM

Objectives:

- To create awareness about the interdisciplinary project among students.

- To impart embedded system knowledge and its importance in industries

- To impart knowledge on basic automation component

- To enable simulation of simple projects

Key Points:

Mr. Aashutosh Gupta opened the seminar with an introduction to the Arduino Uno board, sensors, and related components. Along with Mr. Hritik Maurya, he discussed the future scope of the Electronics and Telecommunication branch. They demonstrated the coding of a traffic signal and its functionality by executing the code in Arduino IDE software. The speakers encouraged students to learn Arduino coding and explore electromechanical applications. They also provided guidance on selecting projects in Embedded Systems and building a career in this field.

Both speakers highlighted the importance of internships and gaining early job exposure, emphasizing the value of learning over pursuing high initial salaries. They advised students to consider core roles in Electronics and Telecommunication if uninterested in pure software while advocating for knowledge in areas like coding, drone systems, and cybersecurity.

Outcomes:

- A significant number of students were inspired to learn the basics of electromechanical systems and develop projects.
- Students acknowledged the importance of interdisciplinary knowledge for better career prospects.

There was a question-and-answer session followed by a 'thank you' note by the faculty.

Feedback link: https://forms.gle/1o7LdVbgYfrudUmk9

SOMAIYA
VIDYAVIHAR
K J Somaiya Institute of Technology
An Autonomous Institute Permanently Affiliated to the University of Mumbai

F. Y. B. Tech Induction on
Exploration of Ideas for Project Applications

Organized By:
Department of Basic Sciences and Humanities

Mr. Hritik Maurya
Mr. Aashutosh Gupta
- Date: 25th Oct. 2024
- Time: 1.10 Onwards
- Venue: Auditorium

https://kjsit.somaiya.edu.in/en
kjsit_official   kjsitlofficial   @KJSITofficial

Image Glimpses: Expert Talk on "Exploration of Ideas for Project Applications" on 25th October, 2024

K. J. Somaiya Institute of Technology's (KJSIT) - Department of Basic Sciences and Humanities (BS&H) organized the Parent-Teacher Meet (PTM) on ***29th November, 2024 (Friday) 1.30 PM onwards.*** The BS&H Head, **Dr. Harsha Mishra** conducted an interactive session to discuss the on-going academic and related topics with regards to the first-year academic session.

Participants: 80 parents/guardians of the first-year students.

Venue: Auditorium

Objectives:

- To provide a systematic time-line of the important activities scheduled in Semester-I & tentative academic calendar
- To discuss on the issue of attendance and compliance of academic rules
- To apprise parents about the crucial aspects of academics & co-curricular to the parents & guardians of the first-year students.
- Dr. Harsh Bhor (IT Dept. Faculty) to provide a demonstration of Students Information Management System (SIMS)

- ***Points under Discussion:***

1. Dr. Harsha Mishra provided a detailed overview of the vital points taken up during 'Orientation Day' in September, 2024.

2. Apprised parents on the cultural festival –Surge '25 & the attendance norms

3. Term work submission

4. Performance during practices

5. 3rd Jan 2025 tem end & 3rd Feb, 2025 –new term

6. 16th May term end of semester –II and 7th July start of new term

7. introduced subjects viz—Indian Mythology, SAT curriculum etc

8. ***Feedback Link:***

A prominent feature of the PTM was a one-to-one interaction between the proctors and parents. The proctor interaction resulted in clarification of queries and concerns with an assurance of quality augmentation in academic performance of their wards.

Image Glimpses: Parent Teacher Meet on 29th November, 2025 Organized by BS&H Department

K J Somaiya Institute of Technology's (KJSIT) - Department of Basic Sciences Humanities (BS&H) organized 'Proctor-Student Meet' II meeting, in the month of December, 2024. As a part of the Student Induction Program, the mentor engages with the new students as soon as they come into the institution; and the incumbents learn about the institutional policies, processes, practices, culture and values, and their mentor groups are formed. Then the different activities start, including those which are daily

A specimen copy representative of the outcomes is as below:

Minutes of Meeting:

Following points were discussed with the students-

1. The issue of irregular attendance was discussed, highlighting its adverse impact on academic performance.
2. Students' performance in Term Test-I was reviewed. Areas requiring improvement were identified
3. Students were motivated and guided on preparing systematically for the upcoming examinations.
4. Students were reminded to strictly adhere to deadlines for submission of assignments, tutorials, and practicals/experiments.
5. The importance of maintaining discipline and sincerity during induction events/seminars was stressed.
6. Students were reminded to upload their participation certificates on the SIMS portal within the stipulated time, if any.
7. Students were encouraged to share their feedback, comments, or suggestions regarding academic or non-academic matters.

Photograph:

F.Y. B Tech Induction on "Proctor-Student Meet-II' from 9th December-16ᵗʰ December, 2024

Brief Background

K J Somaiya Institute of Technology's (KJSIT Department of Basic Sciences & Humanities (BS&H) organized an F.Y. B. Tech. Induction Program on on ***"Electric Vehicles"*** from 01.10 am-3.30 PM on 13ᵗʰ December 2024 from 1.10 to 3.10 pm.Mr. Anil Chaudhari was the key speaker for the event.

Speaker's Details

Mr. Anil Chaudhari brings over 25 years of diverse professional experience, particularly in Electric Vehicles, Renewable Energy (a key component of Green Energy), and Automation. He completed his Engineering in Electronics in 1997 and has since built expertise across sales, marketing, teaching, production, and technical support for various technologies, including stepper motors and drives. Beginning his career as a Production Engineer in electronic weighing scales in 1996, he transitioned to over 15 years of sales and marketing experience, handling products like AC induction motors, drives, PLCs, SCADA, HMI, and BLDC motor technologies. His notable projects include designing and developing BLDC motors for E-Rickshaws. Currently, he is associated with SS NATU, focusing on Brushless DC motors and controllers aimed at energy and power savings, especially in industrial fan applications. Additionally, he has contributed to academia as a visiting lecturer at Bharati Vidyapeeth Institute of Technology, Kharghar, Navi Mumbai.

Participants: F.Y.B. Tech Students (505 students)
Mode/Venue: Auditorium, KJSIT
Time: 01.10 AM-3.30 PM
Details of Organizers:
The event was organized by the Department of BS&H. The physics faculties Prof. Sanjiv Badhe, Dr. Umesh Shinde and Dr. Rekha Rajput coordinated the event. In addition, Dr. Rekha Rajput served as the event's anchor.

Objectives:

* To create awareness among EV technology and environmental sustainability

* To enlighten students regarding job opportunities in EV sector.

Key Points:

Mr. Anil Chaudhari delivered an insightful session focusing on the transformative potential of electric vehicles (EVs) in shaping a sustainable future. They began by discussing the critical role EVs play in reducing greenhouse gas emissions and combatting climate change, emphasizing the need for widespread adoption to achieve global environmental goals. The speaker elaborated on the technological advancements driving the EV industry, such as improved battery efficiency, charging infrastructure, and innovative vehicle designs.

Additionally, they highlighted government initiatives and subsidies that encourage EV production and adoption. On the career front, the speaker provided valuable insights into the growing demand for skilled professionals in areas like EV manufacturing, software development, and renewable energy integration, inspiring students to explore emerging opportunities in this rapidly expanding sector. There was a question-and-answer session followed by a 'thank you' note by the presenter.

Outcomes:

- Increased awareness of the environmental benefits of EVs.
- Better understanding of career paths and required skill sets in the EV industry.

Feedback link: https://forms.gle/Hb1VyPYqJhPEL76t8

Image Glimpses : Expert Talk on "EV Technology" on 13th December, 2024

K J Somaiya Institute of Technology's (KJSIT) department of Basic Sciences and Humanities (BS&H) organized F.Y. B. Tech. Induction Program event captioned as "*Department of Lifelong Learning and Extension- an Overview", University of Mumbai* by *Dr. Sandhya Kadam* on **30ᵗʰ December, 2024**.

Date: 30ᵗʰ (Monday) December, 2024

Time: 2.15 PM -3.15 PM

Participants: 500 FY B. Tech. students

Venue: Institute auditorium

Speaker's Details:

Dr. Sandhya Kadam, an Asst. Professor in Dept. of Electronics & Telecommunication, KJSIT, she has done her Ph.D. in Electronics and Communication Engineering in the year 2019. She has worked as Cultural Coordinator, Green Club Coordinator and DLLE (Department of Lifelong Learning and Extension, University of Mumbai), Extension teacher at KJSIEIT, Sion Mumbai-22. She has published more than twenty papers at International/ National conferences/ journals and has complete patent publication on Cluster-based Big Data Storage. She is a life member of ISTE, MIET and has worked as member of professional body, IEI (Institution of Engineers).

Details of the organizer:
The event was organized by the Department of BS&H & was coordinated by Dr. Vrushali Deole & Prof. Prahelika Pai in addition to the laboratory assistants.

Feedback Form: https://forms.gle/oZKwgstB8fU6PioK9

Objectives:
- To develop a sense of social responsibility and prepare students for greater social commitments.
- To enhance employability skills as personality development, team building, presentation skills, writing abilities, time management skills, organizing skills, entrepreneurship and leadership skills of the students

Key Points:

Dr. Sandhya Kadam presented a detailed overview of DLLE (Department of Lifelong Learning and Extension, University of Mumbai, with an aim to instill awareness in the college community. Students were apprised to participate and take up meaningful environmental activities and projects. Dr Kadam then highlighted about the importance of DLLE & underlined the vital aspects viz the significance of lifelong learning as the "ongoing, voluntary, and self-motivated"

pursuit of knowledge for either personal or professional reasons. She emphasized its importance of it from individual's competitiveness and employability point of view.

The query session was in the form strategic guidance and in the direction of mentoring the students with contributory parameters for attainment of national goals

Outcomes:
- The expert talk resulted in an increased awareness on DLEE as an interface to take up of the roles and responsibilities of today's youth as nation builders

- Enhanced awareness on DLEE, deployment of societal based projects that are for the betterment of the society at large

There was a question-and-answer session followed by a 'thank you' note by the presenter.

Image Glimpses:

F.Y.B. Tech Induction Event: "Department of Lifelong Learning and Extension- an Overview", University of Mumbai by Dr. Sandhya Kadam on 30th December, 2024.

K J Somaiya Institute of Technology's (KJSIT) department of Basic Sciences and Humanities (BS&H) organized F.Y. B. Tech. Induction Program event captioned as *"Green Club: Cultivating a Greener Future"* by **Dr. Sandhya Kadam** on **30ᵗʰ December, 2024**.

Date: 30ᵗʰ (Monday) December, 2024

Time: 3.15 PM - 4.15 PM

Participants: 500 FY B. Tech. students

Venue: Institute auditorium

Speaker's Details:

Dr. Sandhya Kadam, an Asst. Professor in Dept. of Electronics & Telecommunication, KJSIT, she has done her Ph.D. in Electronics and Communication Engineering in the year 2019. She has worked as Cultural Coordinator, Green Club Coordinator and DLLE (Department of Lifelong Learning and Extension, University of Mumbai), Extension teacher at KJSIEIT, Sion Mumbai-22. She has published more than twenty papers at International/ National conferences/ journals and has complete patent publication on Cluster-based Big Data Storage. She is a life member of ISTE, MIET and has worked as member of professional body, IEI (Institution of Engineers).

Details of the organizer:
The event was organized by the Department of BS&H & was coordinated by Dr. Vrushali Deole & Prof. Prahelika Pai in addition to the laboratory assistants.

Feedback Form: https://forms.gle/oZKwgstB8fU6PioK9

Objectives:

- To discuss the importance of Environmental Sustainability via 'Green Club' initiatives
- To apprise on 'Green Club' projects activities and projects

Key Points:

Dr. Sandhya Kadam presented pertinent issues with regards to the prime role of 'Green Club' as well as the conservational measures for environmental sustainability**.** The speaker emphasized on the pivotal role of green club that endeavors to develop love for nature and to instill awareness of the environment to the college community. The activities like tree plantation, cleanliness drives both within and outside the college campus were accentuated. Students were endowed to contribute and take up substantial environmental activities and projects.

The query session was in the form strategic guidance and in the direction of mentoring the students with contributory parameters for attainment of national goals in the larger context of environmental sustainability.

Outcomes:
- The expert talk ensued in an enhanced consciousness of the roles and responsibilities in conservation of environment by partaking in 'Green Club' activities.

- Enriched understanding on the role of contributing proactively for the green projects that results in preserving richer ecological flora & fauna.

There was a question-and-answer session followed by a 'thank you' note by the presenter.

Image Glimpses:

F.Y.B. Tech Induction Event: "Department of Lifelong Learning and Extension- an Overview", University of Mumbai by Dr. Sandhya Kadam on 30th December, 2024.

SUMMARY OF INDUCTION PROGRAM

AY 2024-2025   SEMESTER –I (W.e.f. 18th September, 2024-30th December, 2024)
Co-Curricular-SAT III: Activity Based Learning (Induction)
Activity Based Learning Code: BSX13
Credits: 2 (50 Marks)

Event No	Date	Title of Induction Event	Resource Person	Organized By	Time/Hours of Conduction	Mode/Venue
1	**18th September, (Friday) 2024**	Orientation Program for FY. B. Tech Students & Parents	Mr. Wadekgaronkar	Dr. Harsha Mishra BS&H Dept Dr. Vrushali Deole & Prof. Prahelika Pai	10.30 AM-1.30 PM	KJSIT Auditorium
2	**20th Sept (Friday), 2024**	Diagnostic Test	Mathematics	Maths faculties Dr. Pashmi Kumawat Prof. Divesh Singh Prof. Gauri Desphande	As per the division time table	Classroom
3*	**27th September (Friday), 2024**	"Gender Sensitization" by Procter & Gamble Group	Ms. Kajal Naik Vaidyaa	Communication Skills faculties Dr. Anita Padhye Prof. Prahelika Pai Prof. Rama Kulkarni	1.10 PM - 2.30 PM	KJSIT Auditorium
4*	**27th September (Friday), 2024**	Exam Cell Induction	Dr. Vaishali Ghadyalji	Communication Skills faculties Dr. Anita Padhye Prof. Prahelika Pai Prof. Rama Kulkarni	2.30 PM-4.00 PM	KJSIT Auditorium
5	**27th September (Friday), 2024**	Sports Freshers	First Year & student council	Prof. Sanjiv Badhe	4.00 PM-7.00 PM	Sports Ground
6	**1st Oct (Tuesday), 2024**	Fresher's Party	Entertainment	Prof. Prahelika, Prof. Sanjiv Badhe, Dr. Umesh Shinde &	5.00 PM-9.00 PM	Open Canteen, KJSIT

					Student Council		
7*	**4ᵗʰ October (Friday), 2024**	Usefulness of Mathematics in the Field of Engineering	Dr. Vivek Patkar	Maths faculties Dr. Pashmi Kumawat Prof. Divesh Singh Prof. Gauri Desphande	1.10 PM - 2.30 PM	KJSIT Auditorium
8*	**4ᵗʰ October (Friday), 2024**	Robocon 2024: A Team Introduction	Prof. Prashant Upadhyay	Maths faculties Dr. Pashmi Kumawat Prof. Divesh Singh Prof. Gauri Desphande	2.30 PM- 4.00 PM	KJSIT Auditorium
9	**7ᵗʰ October- 12ᵗʰ October, 2024**	**Proctor Meeting**	Concerned Proctors	BS&H Dept	During college hours	KJSIT
10*	**14ᵗʰ October (Monday), 2024**	Renaissance: Technical Fest	Mr. Ashwin Moghe, Sr. Vice-President, Ultra Tech Cement Mumbai	BSH Proctors	9.30 AM- 12.30 PM	KJSIT Auditorium
11*	**15ᵗʰ October (Tuesday),2024**	Renaissance: Technical Fest	Prof. Vricha Chavan & Prof. Uday Rote	BSH Proctors	9.00 AM- 5.00 PM	Events organized at various venues
12*	**18ᵗʰ October (Friday),2024**	"Emotional Health: Mind your Mind"	Dr. Vrushali Deole, Dean, Alumni Relations	Chemistry faculties Dr. Shaheen Pathan Dr. Thulsi Pillai Dr. Vidya Nikumbh	1.10 PM onwards	KJSIT Auditorium

13*	**18ᵗʰ October (Friday),2024**	"Heartfulness Meditation"	Ms. Rakhee Arora, Coordinaotr- School & Heartful Campus Program, Team Mumbai	Chemistry faculties Dr. Shaheen Pathan Dr. Thulsi Pillai Dr. Vidya Nikumbh	1.10 PM onwards	KJSIT Auditorium
14*	**25ᵗʰ October (Friday),2024**	Exploration of Ideas for Project Applications	Mr Aashutosh Gupta and Mr. Hritik Maurya	Mechanics Faculties Dr. Rajesh Meshram Prof. Vivek Mane Prof. Jitendra Shelar Prof. Kirti Patel Prof. Amol Futane	1.10 PM onwards	KJSIT Auditorium
15	**29ᵗʰ November (Friday),2024**	PTM	Dr. Harsh Mishra , BSH HoD & Dr. Harsh Bhor (IT Dept)	BS&H Dept	1.30 PM- 3.00 PM	KJSIT Auditorium
16	**9ᵗʰ December- 16ᵗʰ December, 2024**	**Proctor Meeting**	Concerned Proctors	BS&H Dept	During college hours	KJSIT
17	**13ᵗʰ December (Friday),2024**	Electric Vehicles	Mr. Anil Chaudhari	Physics Faculties Prof. Sanjiv Badhe Dr. Umesh Shinde Dr. Rekha Rajput	1.10 PM onwards	KJSIT Auditorium
18	**30th December 2024**	Department of Life Long Learning & Extension (DLLE)	Dr. Sandhya Kadam	Dr. Vrushali Deole Prof. Prahelika Pai	2.15- 3.00 PM	KJSIT Auditorium
19	**30th December 2024**	Green Club	Dr. Sandhya Kadam	Dr. Vrushali Deole Prof. Prahelika Pai	3.00 PM- 4.00 PM	KJSIT Auditorium

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

Sr. No.	Name of staff	Name of Workshop /STTP/Conference	Name of Organizer	Venue	Period
1	Dr. Vrushali Deole	FDP on "Atma Nirbhar Bharat: Space & Defence Sector Indigenous Technology"	AICTE sponsored VAANI	K J Somaiya Institute of Technology	8th July-10th July, 2024.
2	Dr. Harsha Mishra	FDP on "Atma Nirbhar Bharat: Space & Defence Sector Indigenous Technology"	AICTE sponsored VAANI	K J Somaiya Institute of Technology	8th July-10th July, 2024.
3	Prof.Vivek Mane	FDP on "Atma Nirbhar Bharat: Space & Defence Sector Indigenous Technology"	AICTE sponsored	K J Somaiya Institute of Technology	8th July-10th July, 2024.
4	Dr. Harsha Mishra	FDP on "Advances in Renewable Energy Technologies for Sustainable Development "	ISTE approved	Bharti Vidyapeeth College of Engineering, Navi Mumbai	29th July-2nd August, 2024.
5	Dr. Harsha Mishra	Presentation on Applied Chemistry as per REV NEP 2020 syllabus in the Faculty Orientation Programme of FE SEM I	Anjuman -I -Islam's Kalsekar Technical Campus, New Panvel	Anjuman -I -Islam's Kalsekar Technical Campus, New Panvel	3rd August, 2024
6	Prof.Vivek Mane	Youth Leadership for Climate Action		Online	05th July 2024
7	Prof.Vivek Mane	FDP on Innovative Technologies for Sustainable Environmental Sanitation	VJTI & DTE	VJTI	22nd July-27th July, 2024.
8	Prof.Vivek Mane	ISTE approved Self Financing Faculty Development Programme on Advances	Bharati Vidyapeeth College Of Engineering,	Online	29thJuly to 2nd August

			Navi Mumbai		2024.
9	Prof.Vivek Mane	Faculty Orientation Programme on Engineering Mechanics & Workshop I	K J Somaiya Institute of Technology on behalf of Mumbai University	K J Somaiya Institute of Technology Sion Mumbai	7th August 2024
10	Dr. Shahin Pathan	ISTE Approved Five days STTP on " Advances in Renewable Energy Technologies for Sustainable Development"	Bharati Vidyapeeth College of Engineering, Navi Mumbai	Online	29th July 2024 to 2nd August 2024

Sr. No.	Name of staff	Name of Workshop /STTP/Conference	Name of Organizer	Venue	Period
11	Prof.Vivek Mane	Two day Seminar on "Space and Defense"	AICTE sponsored VAANI	K J Somaiya Institute of Technology Sion Mumbai	19th – 20th September, 2024
12	Dr. Shahin Pathan	Six day Faculty Development Program on Research Opportunities in Advanced Functional Materials	SRMIST Ramapuram – Department of Chemistry	Online	30.09.2024 to 05.10.2024
13	Dr.Harsha Mishr	Six day Faculty Development Program o"RESEARCH OPPORTUNITIES IN ADVANCED FUNCTIONAL MATERIALS - 2024"	Department of Chemistry, SRM Institute of Science and Technology, Ramapuram, Chennai	Online	30th September, 2024 to 05th October, 2024.
14	Dr. Vrushali Deole	"Webinar on The power of the mock test: preparing for exam success"	Cambridge University	Online	17th October 2024.

15	Dr Harsha Mishra	ISTE approved Self-Financing Faculty Development Program on Role of Nanotechnology in Sustainable Development	Gharda Institute of Technology, Dist. Ratnagiri, Maharashtra	Online	18.10.2024 to 22.10.2024
16	Dr. Vrushali Deole	Webinar on "The Ultimate Guide to Cambridge Exam Resources" Speaker: Donya Estafanous	Cambridge University.	Online	28th November, 2024

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

Sr. No.	Name of faculty	Name of Programme/Activity/Event	Prize Details	Date	Venue
1	Dr.Vrushali Deole	35 kms at "Lonavala Varsha Fog Marathon" on 14th July, 2024 with a timing of 5.21.	Participation	14th July 2024	Lonavala
2	Dr.Vrushali Deole	Resource speaker at Fr. C. Rodrigues Institute of Technology, Vashi to conduct lectures for the Universal Human Values (UHV02024) course for First Year Engineering Students	Resource Person appreciation letter	16th Sept, 2024 & 19th Sept, 2024	Fr. C. Rodrigues Institute of Technology, Vashi
3	Dr.Vrushali Deole	Completed 30kms Runwal Ajneri Ultra Trail Run	Participation	1st December 2024	Nashik
4	Dr.Vrushali Deole	Completed 10kms Runwal Navy Marathon	Participation	8th December 2024	Azad Maidan Mumbai
5	Dr.Vrushali Deole	Completed 21kms Runwal Half Marathon ,Thane	Participation	15th December 2024	Thane

Details of Students participation in co-curriculum /Prize Winning activities

Sr. No.	Name of Programme /Activity/Event	Name of the Students	Name of coordinator	Prize Details/Participation	Date
1	Somaiya Games 2024, The team showcased remarkable talent, grit, and teamwork.	1 Atharva Kulkarni (C) (Comps) 2.Jatin Tomar (IT) 3. Viraj Kadam (Comps) 4. Anant Jaiswara (EXTC) 5.Varad Shinde (EXTC) 6.Riken Jasani (IT)	---	3rd place in Badminton • 2-0 victory over KJ Somaiya Medical College • 2-0 victory over KJ Somaiya College of Arts, Science and Commerce • 2-0 victory over KJ Somaiya Degree College of Science and Commerce • 2-0 victory over KJ Somaiya Degree College of Arts and Commerce	17th October to 24th October 2024
2	Shravani Dhuri	IDEATHON Innovative Idea Hackathon	IIC of KJSIT Sion	Participation	14th - 15th October 2024

Details of paper presented by staff: (International journal /National journal / National & International conferences / state level):

Sr. No.	Name of Participant	Title of paper	Name of National / International Journals/Conferences	Date	Place
1	Dr. Vrushali Deole	Presented a Paper titled " Conflict Resolution: A Case-Study Approach from Indian Epics and its Application in Contemporary Scenario" ,	National conference on "Indian Knowledge System in Management'	4th-6th July, 2024	Indian Institute of Technology, Bombay

The End