

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









Somaiya Ayurvihar Complex, Sion, Mumbai

https://kjsieit.somaiya.edu/en

# BS&H BYTES BIANNUAL NEWSLETTER JANUARY – JUNE 2024

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# Campus Prayer



ॐ पूर्णमदः पूर्णमिदं पूर्णात् पूर्णमृदच्यते । पूर्णस्य पूर्णमादाय पूर्णमेवावशिष्यते ।।१।। ॐ ईशावास्यमिदं सर्वं यत् किं च जगत्यां जगत् । तेन त्यक्तेन भुञ्जीथा मा गृधः कस्य स्विद्धनम् ।।२।। मुकं करोति वाचालं पङ्गुं लङ्गयते गिरिम् । यत्कृपा तमहं वन्दे परमानन्द माधवम् ।।३।। ॐ प्रणो देवी सरस्वती वाजेभिर्वाजिनीवती धीनामवित्र्यवत् । ॐ चोद्यित्री सुनृतानां चेतन्ती सुमतीनाम् । यज्ञम दधे सरस्वती ।।४।। ॐ असतो मा सद्गमय । तमसो मा ज्योतिर्गमय । मुत्योर्मामृतं गमय ।।५।। ॐ सहनाववत् सहनौ भुनक्त् 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 धर्मः। 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

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

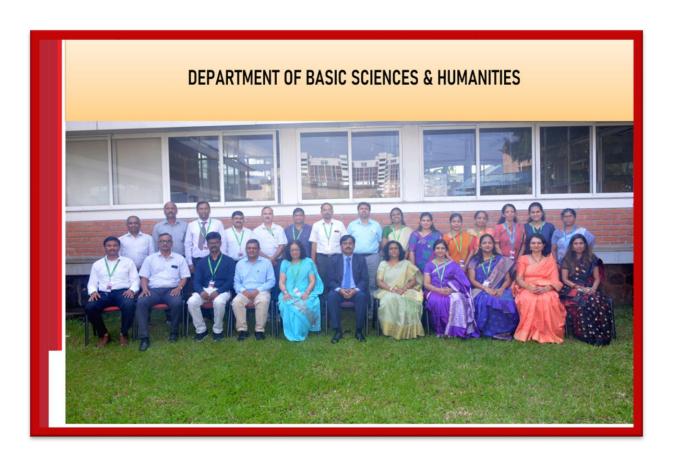
- To provide students with a thorough knowledge of engineering to refine their professional skills.
- To nurture creativity and innovation while encouraging multidisciplinary interaction.
- To train students to be industry ready and capable of working effectively as an individual and in teams.
- To inculcate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

#### **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.





#### **BS&H SIGNIFICANT ACHIEVEMENTS**

#### Parent Teacher Meet on 23<sup>rd</sup> February, 2024 Organized by BS&H Department

K. J. Somaiya Institute of Technology's (KJSIT) - Department of Basic Sciences and Humanities (BS&H) organized the Parent-Teacher Meet (PTM) on 23<sup>rd</sup> Febrauary, 2024 (Friday) 3.00 PM onwards. The BS&H Head, Dr. Harsha Mishra conducted an interactive session to discuss the academic and allied topics with regards to the first-year academic session.

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

Venue: Auditorium

#### Objectives:

- > To provide a systematic time-line of the important activities scheduled in semester-II
- > 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. Umesh Shinde to provide an overview of the success story of 'Somaiya BeliefSat-0' and the research work being executed in the trending domain

#### **Points under Discussion:**

- 1. Dr. Harsha Mishra provided a detailed overview of the newly introduced subjects viz—Indian Mythology, SAT curriculum etc
- 2. First Year, Semester II Timeline: Including the internal term test, exam conduction, submission, guidance on code of conduct.
- 3. Dr. Umesh Shinde, Convenor of New Leap Initiative presented the ambit of multifarious activities being executed in the domain of space, satellite networking etc. He provided the background of the success story of 'Somaiya BeliefSat-0' launched on 1st January, 2024. In addition, guidance was offered to the parents in the direction of career and placements.
- 4. Feedback Link: <a href="https://forms.gle/f0rHtUTx98aqdYYd6">https://forms.gle/f0rHtUTx98aqdYYd6</a>

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.









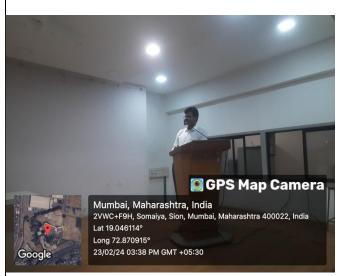




Image Glimpses: Parent Teacher Meet on 23rd February, 2024 Organized by BS&H Department

#### BS&H Details of Industrial\ R&D Visits Conducted:

Sr. No.	Name of staff	Торіс	Venue	Date	Organized
1	Prof.Sandhya Deshpande	Visit to ISRO	Sriharikota	3rd to 10th January 2024	Students
2	Prof.Sandhya Deshpande	COEPS CELL TIFR IV	Pune	17/02/202	Students
3	Prof.Sandhya Deshpande	NDA	Khadakwasla Pune	25/02/202 4	Students

#### 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.Thulasi Pillai	Visit to lab	Bharathiyar University and Genolite Lab	Coimbatore	29/01/20 24 to 30/01/20 24
2	Dr.Umesh Shinde	ARSI National Field Day & Hill Topping Contest	Amateur Radio Society of India - VU2ZH	Online	7/01/202 4 to 28/01/20 24
3	Dr.Vidya Nikumbh	National Workshop on "Leveraging  Water For Peace "in association with Indian Desalination Association (InDA) & Institution Innovation Council	IMS Engineering College,Ghaziabad	Online	22/03/20 24

4		One Week National level	DST-CURIE-AI	Online	18/03/20
		Online Faculty	center of Sri		24 to
		Development Program on	Padmavati Mahila		23/03/20
	Prof.Kirtikumar	Outcome Based Education	Visvavidyalayam		24
		and Application of	(SPMVV		
	Patel	Generative AI in Teaching	University),		
		and Research,	Tirupati, in		
			association with ipsr		
			solutions limited		

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

Sr. No.	Name of Particip ant	Title of paper	Name of National / International Journals/Conferences	Date	Place
1	Dr.Shahi n Pathan	Role of Acid Functionalized-Nano Porous  Carbon/MnO2 Composite for Removal of  Arsenic from Aqueous Medium  Shahin Pathan a,b*, Nancy Pandita a and Nand Kishore c DOI: 10.9734/bpi/cicms/v5/8411 APrint ISBN: 978-81- 969723-4-9, eBook ISBN: 978-81-969723-9-4	B P International	20/01/2024	Onlin e
2	Dr.Vrush ali Deole	Presented paper on Creative Genres: A Potent Tool to Care for the Marginalized "Others "" at the Creative Bodies - Creative Minds.	University of Graze	26/03/2024 to 27/03/2024	Austri a

3	Dr.Vrush ali Deole	Presented a paper titled " Depiction of Women in Ancient Scriptures and Mythology in the Context of Preserving the Great Indian Knowledge System"	International Interdisciplinary Virtual Conference on International Women's Day Organized by Internal Quality Assurance Cell (IQAC) of  K. J. Somaiya College of Arts & Commerce (Autonomous) Mumbai In Collaboration with Grand Academic Portal – GAP India, Centre for Advanced Studies in Culture, Happiness, and Ethics – CACHE, Internal Quality Assurance Cell (IQAC) - Sinhgad College of Commerce - Mumbai	09/03/2024	Onlin e
<u>4</u>	Dr.Vrush ali Deole	Published a paper titled "Depiction of Women in Ancient Scriptures and Mythology in the Context of Preserving the Great Indian Knowledge System"	GAP BODHI TARU - A Peer Reviewed Global Journal Of Humanities (ISSN 2581- 5857), Pg. 11-14, April, 2024.	April 2024	Onlin e

## BS&H Details of Staff participation in co-curriculum /Prize Winning activities:

Sr.	Name of	Name of	Prize Details	Date	Venue
No.	faculty	Programme/Activity/Event			
1		"Jupiter Marathon'Run for a	Completion of		Thane
	Dr.Vrushali	Little Child's Heart' of 21 kms	Marathon with a		
	D 1		Timing of 2.37.	07/01/2024	
	Deole				
2	D W 1 1'	"Celebration of National	Resource person		
	Dr.Vrushali	Youth Day" organized by	,delivered lecture	12/01/2024	741. 151
	Deole	Institution's Innovation Cell		12/01/2024	7th Floor
		(IIC)			Classroom

					KJSIT
3	Dr.Umesh Shinde	"Somaiya BeliefSat-0" on 5 <sup>th</sup> January, 2024, that Embarked on January 01, 2024 through ISRO's PSLV-C58 POEM Mission	Launch of "Somaiya BeliefSat-0" on 5th January, 2024, that Embarked on January 01, 2024 through ISRO's PSLV-C58 POEM Missio	01/01/2024	Satish Dhawan Space Centre, Sriharikota
4	Dr.Vrushali Deole	'Tata Mumbai Marathon' of 42 kms	Completion of Marathon with a Timing of 5.55	21/01/2024	Azad Maidan
5	Dr. Vrushali Deole	"Hiranandani Marathon'	Completed the 21 km in Timing of 02:30:56	11/02/2024	Hiranandani
6	Prof.Sanjiv Badhe	"Hiranandani Marathon'	Completed the 10 km	11/02/2024	Hiranandani
7	Dr.Vrushali Deole	'Sea Bridge Marathon organized by The L & T Sea Bridge Marathon 2024, in association with The Times of India and MMRDA"	21 kms of Sea Bridge Marathon	18/02/2024	
8	Dr.Umesh Shinde & Mr.Rohit Bokade	Lecture on Somaiya Belief SAT-0 Dream to Reality	Delivered Lecture on Zoom platform	08/02/2024	Online
9	Dr.Vrushali Deole	Completed the Tata Ultra Marathon	Successfully completed 50kms with timing of 07.42:26	25/02/2024	Lonavala
10	Dr.Vrushali Deole	KJSIT' Debate Competition'	Was Judge for the competition	11/03/2024	KJSIT
11	Dr.Vidya Nikumbh	Academic Council under the Faculty of Science and Technology of Autonomous	Nominated as a Member on Board of Studies	01/03/ 2024 at 4.00 pm by virtual mode.	Online

	College Dr. Annasaheb G. D.	in Chemistry	
	Bendale Mahila Mahavidyalaya		
	(Autonomous), Jalgaon.		

## BS&H 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/Partici pation	Date
1	CSS Crash Course For Beginners	Ronak Parmar	Udemy	Participation	30/03/2024
2	C -Programming - Basics to Advanced Level	Ronak Parmar	Udemy	Participation	30/03/2024
3	C++ And Java Training Crash Course 2022	Ronak Parmar	Udemy	Participation	30/03/2024
4	Football tournament of annual Sports festival Score 2024	Devansh Jadhav	K J Somaiya Institute of Technology	Runner up	14/03/2024
5	Football tournament of annual Sports festival Score 2024	Ammar Khan	K J Somaiya Institute of Technology	Runner up	14/03/2024
6	Football tournament of annual Sports festival Score 2024	Amogh Iyer	K J Somaiya Institute of Technology	Runner up	14/03/2024
7	Football tournament of annual Sports festival Score 2024	Rahul Salunke	K J Somaiya Institute of Technology	Runner up	14/03/2024
8	Internship in Social media Management	Ananya Prabhat	Emersyn Naturals Private Ltd	Completion of Internship	01/12/2023 to 29/02/2024
9	Somaiya Unplugged in annual Cultural	Krishiv Patel	K J Somaiya Institute of	Runner up	15/03/2024

	Festival		Technology		
10	Band Competition for Fusion X VYOM	Krishiv Patel	Vasantdada Patil College of Engineering	Participation	15/03/2024

