



K. J. Somaiya Institute of Engineering and Information Technology Sion, Mumbai – 400 022

Unaided Gujarati Linguistic Minority (EN3209)







Permanently Affiliated to University of Mumbai, Approved by AICTE, New Delhi, DTE and Government of Maharashtra AICTE-F. No. 740-89-038 (NDEG)/ET/2001

Information Brochure 2020-21



Best College Award by University of Mumbai for A.Y. 2018-19 (Urban Region)





NAAC Accredited
Institute with 'A' Grade

3 Programs Accredited by National Board of Accreditation

For more details, Visit Institute Website https://kjsieit.somaiya.edu/en

Campus Prayer

3,

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 सूनृतानां चेतन्ती सुमतीनाम् | यज्ञम् दधे सरस्वती ||४||

ॐ असतो मा सदगमय | 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॥

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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 केवल्यम् । 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.

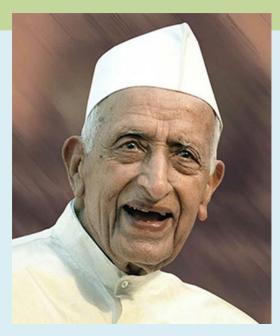
In the Bhagavad Gita, Arjun asks Krishna how is one to control one's mind that is as fleeting as the wind. Krishna responds that it can only be done through practice and discipline. वैराग्येण तु कौन्तेय अभ्यासेन च गृहयते । We will strive to teach our students to learn to stay calm in our turbulent world.

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.

Our Founder & Our Inspiration



Padma Bhushan (Late) Pujya Shri Karamshibhai J Somaiya (16.05.1902 — 09.05.1999)

"Neither do I long for Kingdom, nor for heaven, nor do I desire to be free from rebirth, I only wish to remove the sufferings of all being afflicted by pain"

Our Founder

Padma Bhushan Pujya (Late) Shri. Karamshi J Somaiya, an entrepreneur, philanthropist and a great visionary, by the dint of hard work and singular devotion, totally dedicated himself to the services of humanity.

Endowed with a sharp business prowess, a balanced perspective and a social bent of mind, Karamshibhai set up the K J Somaiya Trust in 1951. Later, he laid the foundation for Somaiya Vidyavihar in 1959. This has grown into large educational complex with fields of institutions catering to diverse Science education in and Humanities, Engineering, Education, Medicine, Management, Mass Communication etc. with more than 38000 students, 1700 teaching faculty and more than 1300 non-teaching supporting staff.

Our Inspiration

(Late) Dr. Shantilal K. Somaiya was a leading industrialist and businessman who received various awards including prestigious 'Luminosa' and Sanskrit Mitra' titles strongly upheld the peaceful co-existence of religions. He travelled extensively across the globe to spread the message of Indian Culture and Philosophy. He also made a remarkable contribution to education and upliftment of 'adivasis'.



(Late) Dr. Shantilal K. Somaiya 29.12.1927 to 01.01.2010 The great visionary and Transformational Leader

Message from Chairman



Shri. Samir Somaiya President, Somaiya Vidyavihar Chairman, Somaiya Trust

I welcome you to Somaiya Vidyavihar Institutions. Somaiya Vidyavihar was founded over 60 years ago, as an institution dedicated to foster learning, innovation and character building.

The institution helps cultivate a climate of enquiry, questioning, and freedom to explore and contribute answers to problems, small and large, local or global.

Our campus has a large diversity of academic programs, and houses students from various disciplines, who come from different parts of India, and the world. The institution aims to develop young men and women who dedicate their learning to improve themselves, and the common good.

Once again, I welcome you to our institution, and hope that you achieve great heights, and find out more about your own self. K J Somaiya Institute of Engineering and Information Technology (KJSIEIT), the second Engineering College established by the Somaiya Trust in the year 2001, at Ayurvihar campus, Sion was set up primarily in response to the need for imparting quality education in the modern field of Information Technology and the allied branches of Engineering and Technology. KJSIEIT as a well-established name in the Engineering Education has been creating engineering professionals to shoulder growing responsibilities and pursue emerging opportunities with a career progression.

The Institute intends to impart quality education and holistic personality development of the students under four streams of engineering i.e. Electronics and Telecommunication engineering, Artificial Intelligence and Data Science, Computer Engineering and Information Technology with total 360 intake capacity and a post graduate program i.e. Master of Engineering in Artificial Intelligence with 18 intake capacity. Keeping in view, the Institute's commitment towards quality education, the three elements which make this possible are physical infrastructure, technological infrastructure, and organizational infrastructure. It has always been the major emphasis to make the Institute a vibrant place for learning.

KJSIEIT extends over sprawling 5 acres of land and is located at the heart of Mumbai city, in the spacious campus of Somaiya Ayurvihar. It is housed in an eight storied building having ground plus eight floors & new building "Riturang" with airy classrooms, hi-tech laboratories, auditorium, canteen, common rooms etc. It provides state of-the-art amenities with a special emphasis on the holistic development of students for the skilled and social development through various professional international and national bodies. To achieve dynamic progress in related domains, the Institute strives for a tremendous parallel improvement in facilities and infrastructure to keep it on par with the best institutions in the field of Engineering and Information Technology. Overall, the facilities provided foster creativity, innovativeness and capabilities for a self-directed lifelong learning in students for a constructivist learning.

Messages from Secretary & Provost



Lieutenant General Jagbir Singh Secretary Somaiya Trust

Message from Secretary

In a rapidly changing world, it becomes imperative for Institutions to create students who will not only apply knowledge to fostering community values and reflect diversity but also empower them to be ethical leaders. The students of Somaiya Vidyavihar campuses display a spirit of being "Societal Engineers" who are driven with purposeful education applied for improvement of the environment.

KJSIEIT envisions imparting not only recent technical trends in education but also a set of ethically important attributes in the budding technocrats. The campus ambience inspires the learners to synergize their efforts for development of a sustainable environment with productive reformations that benefit the grassroots level of the community.

With its mission to enrich the society, KJSIEIT has adopted a dynamic approach of laying a strong foundation of instilling all the engineering as well as humanistic attributes so as to empower its students who influence the real world. I wish all students who will form part of this mission the very best and am sure that they will benefit immensely in developing a wholesome personality while concurrently pursuing their goal of achieving excellence in this Institution.

Message from Provost

Somaiya Vidyavihar as an epitome of educational innovation has a defined mission of imparting advanced knowledge that educates students in technological domains. KJ Somaiya Institute of Engineering and Information Technology (KJSIEIT), as NAAC "A" graded premier Institute, is committed to serve the society and the global humanity in the 21st century. Since its inception, it is driven to apply knowledge that brings solutions to the world's great challenges.

KJSIEIT evolves with a spirit of bringing radical educational reforms - a community with hands-on problem - solvers that puts technology to make the world a better place. The spirit of its campus is a reflection of how its learners are guided for holistic development while putting the new-age technologies for societal use.

I welcome all the students at the Somaiya campus with a certainty contributing towards many scientific breakthroughs and technological advances.



Prof. V. N. Rajasekharan Pillai Provost, Somaiya Institutions and Vice chancellor, Somaiya Vidyavihar University

Messages from Principal & Vice-Principal



Dr. Suresh UkarandePrincipal

Message from Principal

K J Somaiya Institute of Engineering & Information Technology (KJSIEIT) is dedicated to impart technical education imbibed with ethical values with the motto "Knowledge alone liberates".

At our institute, we provide education with wide ranging standards of excellence in UG and PG in engineering. Our institute is accredited with "A" grade by NAAC and 3 programs are accredited by NBA. KJSIEIT received "BEST COLLEGE AWARD" from University of Mumbai in urban region and "Best Engineering College Award by CSI local chapter and also from ISTE Maharashtra and Goa Section.

We endeavor holistic personality in our students through array of multi-skilled, professional, cocurricular and extracurricular activities.

For placements, our Institute is approached by global business houses like TCS, Accenture, Microsoft, etc. with a steady record of recruitments of our students. While offering best innovative educational practices, we also have experienced faculty and state of the art infrastructural amenities and laboratories.

In the global scenario, the students graduating from this Institute are truly empowered with recent technical trends so as to become world leaders and contribute significantly for the philanthropic cause of the society.

Message from Vice Principal

KJSIEIT, one of the premier engineering institute under University of Mumbai is not only looking at the academic growth but also trying its best for the all-round professional, holistic and social development of its students through various professional international, national societies such as IEEE, IETE, CSI, IET, ISTE, IEI, ACS etc. Faculty and staff of the Institute play major role in shaping the career of our students by conducting various co-curricular and extra-curricular, technical, cultural, sports activities through various cells, clubs and bodies such as Training and Placement cell, E-cell, Industry Institute Interaction Cell, Cyber Security & Research Cell, IoT and IPR Cells, Software Development cell, Programming club, Hobby club, Marathi Bhasha Vangmay Mandal, Street Play team, Robotics cell, etc.



Dr. Sunita R. PatilVice Principal

KJSIEIT imparts quality education in the emerging areas of technology and uses the same technology in teaching learning processes. Faculty and staff makes use of online Learning Management Systems such as Google classrooms, online education and entertainment tool- Offee, online video lectures by NPTEL, Spoken Tutorials, in-house developed attendance management, admission process and feedback conduction tools, etc.

Thus a freshman entering into KJSIEIT gets trained, moulded, prepared and nurtured as all round true human being serving the society, the nation and the world at large.

Vision, Mission, Quality Policy and 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.

About the Institute

The K. J. Somaiya Institute of Engineering and Information Technology (KJSIEIT), was established by the Somaiya Trust in the year 2001 at Ayurvihar campus, Sion. The institute was set up primarily in response to the need for imparting quality education in the modern field of Information Technology and the allied branches of Engineering and Technology. The College is housed in a G+8 storey building and in International Standard of Riturang building with airy classrooms, hi-tech laboratories, auditorium, canteen, common rooms etc.

The Institute is situated adjacent to Eastern Express Highway. Chunabhatti and Sion are the nearest railway stations on Harbour line and Central line respectively, Nearest Bus stop is Everard Nagar, Chunabhatti on Eastern Express Highway.

Salient Features

- ✓ Institute is permanently affiliated to University of Mumbai
- √ Recognition of College under 2(f) & 12 (B) of UGC act 1956 for receiving research grants
- ✓ Situated in the heart of the Mumbai city with good transport connectivity
- ✓ State of the art infrastructure

✓ Guidance and Proctor System

- * Wi-fi enabled campus
- * CC Camera Surveillance

* Spacious and well-lit classrooms

* Ample parking space

* Fire Fighting and Safety Devices

- * Spacious garden
- ✓ Qualified, experienced, dynamic and dedicated faculty
- ✓ 24 hours internet accessibility with 150 Mbps bandwidth
- ✓ Library Huge knowledge resource with digital, e-access and 24x7 global common circulation facilities
- ✓ Open Gymnasium, Play grounds: Football, Volleyball, Astro Turf etc.
- √ Helping Hand KJSIEIT : A Financial Aid Scheme for needy and meritorious students
- ✓ Bus facility from Somaiya Vidyavihar Campus to Somaiya Ayurvihar Campus

Campus Activities

- √ Innovative project development by faculty and students with Major and Minor research grant through various funding agencies.
- ✓ Software Development Cell (SDC) of faculty and students is active in developing consultancy software projects as per needs of academic institutions and industries.
- ✓ Research Innovation Incubation and Design Lab (RiiDL), an in-house incubator focuses on technology and startup
- √ Institutional membership of coursea.org, National Program on Technology Enhanced Learning (NPTEL) of MHRDs-IITs, Spoken Tutorial of IIT Bombay etc for online certification courses.

*IEI

*ACS

Affiliation to various professional bodies for Student chapters and Faculty chapters

*IEEE *CSI *IETE *IET *ISTE

- ✓ Active Training and Placement Cell, Entrepreneurship Cell
- ✓ Annual Technical, Cultural and Sports Festivals : RENAISSANCE, SURGE and SCORE respectively
- ✓ Student enrichment activities through various student clubs and cells e.g. Robocon Cell, Cyber Security & Research cell, IOT Cell, Programming Club, Hobby Club, Marathi Bhasha Vangmay Mandal, Street Play Team, Vyom Club, New Leap Initiative Team, CodeChef Career Guidance in Govt. Public sector club etc.
- ✓ National Service Scheme (NSS) and Centre for Life Long Learning and Extension (DLLE) of University of Mumbai.
- ✓ Interactive / Smart Board Learning
- ✓ Regular Industry-Institute Interaction : MOUs with companies like Mastek, Databyte, CTL, RS Heating Systems Pvt. Ltd. Lilbargo Pvt. Ltd., Current Technology, Acevin Solutions, Eduvance, Cognito-IT, Riva Labs etc.
- ✓ Centre of Excellence (CoE) in Robotic Process Automation (RPA), Artificial Intelligence (AI), Machine and Deep Learning (ML & DL)
- ✓ MHRD's Institution Innovation Cell–Institutions Innovation Council (MICs-IIC) for increasing innovation activities in the
- √ National and International technical and nontechnical Experts from IIT, IISc, AICTE, DTE and Cornell University, USA for guidance and Interaction with students
- ✓ Conduction of many more student and faculty development technical and non-technical, free of cost activities across nation in COVID'19 pandemic crisis.



National Board of Accreditation (NBA) Accredited 3 Programs

- Computer Engineering
- Electronics and Telecommunication Engineering
- Electronics Engineering



National Assessment and Accreditation Council (NAAC)
Accredited Institute with "A" Grade and 3.21 CGPA in its 1st
cycle for 5 years duration



MHRDs Innovation Cell (MIC) ranked Institution's Innovation Council (IIC) in Top 25 institutions amongst 952 institutes at All India Level and Top 3 in Western Region amongst 159 institutes



Best College Award by University of Mumbai for A.Y. 2018-19 (Urban Region)



by Indian Society of Technical Education (ISTE – MH and Goa Section) for Year 2018



Best Institute of the Year Award by Computer Society of India (CSI) for Year 2019



Best Institute of the Year Award by Computer Society of India (CSI) for Year 2018



Platinum Category Award

by AICTE-CII IndPact Survey for Years 2019 & 2018 and Gold Category Award for Years 2017 & 2016 for Major Industry-Institute Interaction activities



Best Academic Affiliate Partner Award by the Institution of Engineering and

Technology (IET) Mumbai LN for Years 2019, 2018, 2017 & 2016



Bhartiya Vidya Bhavan National Award

for Best Engineering College Principal conferred on Dr. Suresh Ukarande for Year 2019 by Indian Society of Technical Education (ISTE)



Best Principal of the Year Award

conferred on Dr. Suresh Ukarande for Year 2019 by Computer Society of India (CSI)



Best Principal of the Year Award

conferred on Dr. Suresh Ukarande for Year 2018 by Computer Society of India (CSI)



Best HOD of the Year Award

conferred on Dr. Milind Nemade for Year 2019 by Computer Society of India (CSI)



Best Social Impact Project of the Year conferred on Dr. Radhika Kotecha - Head of Information Technology Department, Mr. Parth Maniar and Mr. Saj Maru for Year 2019 by Computer Society of India (CSI)



1st Prize of INR 1 Lakh
in Mastek Deep Blue Project Competition
2020 Season-5 to students of Computer
Engineering



Late Namrata Bhagat Award for Innovative Youth Engineer-2019 by Trans Asian Chamber of Commerce & Industry-2019 to Mr. Shashank Karn, student of Electronics Engineering



The Pillar of Hindustani Society Award conferred on Prof. Nalini Kumthekar by the Trans Asian Chamber of Commerce & Industry in February 2020



1st Prize of INR 50K
in Artificial Intelligence Deep Learning
Hackathon 2020 to students of Computer
Engineering



Best Student Project of the Year conferred to students of Information Technology Department Mr. Parth Maniar, Mr. Saj Maru, Mr. Yash Nagda, Mr. D Koushal Kumar and Mr. Viraj Vora, by Computer Society of India (CSI)



1st Prize in Homebrew VHF Antenna Contest 2019

organized by Lamakaan Amateur Radio Club to students of HAM Club



Maharashtra State Table Tennis Championship and Men's Singles Mumbai **University Table Tennis Championship** won by Computer Department student Jash

Dalvi in 2019-20



First Position in Smart India Hackathon 2019 secured by Computer Engineering students Kartik Chawda and Team



1st prize in "UNSCRIPT 2K19" Hackathon 2019 to student of Information Technology Department Chandu Parmar



1st Prize in Electric Studio event and 2nd Prize in Maker's Backyard event to the Information Technology Department student Rohit Bokade in ISTE Students National

Convention 2019



3rd prize of Kerala Government Engineering **Design National Award**

to students of Information Technology Department Falguni Thakkar and team under the guidance of Prof. Harsh Bhor in ISTE Students National Convention 2019



Software Development Cell (SDC) launched mobile app "Kisan Khazana(Healthy Earth Healthy Farmer)" for farmers of Karnataka, India through Godavari Bio-refineries Ltd., Karnataka. Institute received Rs. 46 lakhs towards the consultancy charges for this project



Dr. Umesh Shinde initiated a project under Make in India Initiative in collaboration with Databyte Services and Systems, Mumbai and Society for Applied Microwave Electronics Engineering and Research (SAMEER) in November 2019









"Help Flare app to help COVID19 Affected
People" developed by Computer Engineering
Department students Idrees Dargahwala,
Burhanuddin Udaipurwala, and Shivam
Bhanushali under the guidance Prof. Kavita
Bathe and Prof. Mrunali Desai



Dr. Sunita Patil, Vice Principal and
Dr. Hariram Chavan, Professor, Department
of Information Technology conducted **two**weeks consultancy training program for Rs.
2.3 Lakh for Indian Navy Officers at INS
Valsura, Gujrat on Artificial Intelligence and
Big Data analytics

Ritesh Sandbhor, Sahil More, Yash Deshpande, Shatayu Thakur and Nayan Bhatia under the guidance of Prof. Reena Lokare and Dr. Hariram Chavan developed web based and app based Severe Acute Respiratory Illness-SARI Survey Software and Mobile App" for Health Department, Solapur Diustrict Municpal Corporation

Students Prince Gada & Vaibhav Lakhani under the guidance of Ms. Sarita Ambadekar developed an appointment scheduling web application for the Users of **University of Mumbai** called 'ALMANAC'

"Development of Artificial Intelligence Models for Weather-Based Short-Term Load Forecasting" in collaboration with India Meteorological Department and Tata Power Company Ltd. by students Parth Maniar, Saj Maru, Mitanshu Reshamwala and Samyukta Nair under the guidance of Dr. Suresh Ukarande and Dr. Radhika Kotecha

Infrastructure

Computation and Internet

The institute has 771 computer terminals with INTEL i3 configuration including 4 servers connected through LAN / Wi-Fi and are loaded with advanced application and system software. Internet accessibility is provided for 24 hrs with bandwidth of 150 Mbps. Computing facilities with dedicated internet connectivity in laboratories. State of the Art laboratories with high end equipments.



Auditorium and Seminar Hall

Institute has a well equipped conditioned auditorium and seminar admeasuring 386 sq.m. and 145 sq.m. respectively, for conducting extra-curricular activities like technical seminars, lectures, workshops, students activities and other cultural activities which normally are a part of the academic calendar. Training and placement activities are regularly conducted in the auditorium and seminar hall.





Classrooms and Drawing Hall

The institute has seventeen spacious, well lit and ventilated class-rooms and a drawing hall, designed to provide students with a clear view of board/LCD projection, good audibility during the theory lectures. The classrooms have provision for audio-visual aids. Two classrooms are smart classrooms with interactive boards, 5 classrooms are having Offee Wifi as an education and entertainment tool.



Eco-friendly Infrastructure

Institute has developed a butterfly garden in the campus to make the campus environmental friendly. Ring well available on the campus which is used for rainwater harvesting. Institute has installed composting system through which canteen food waste and organic waste in the Institute premises are converted into useful manure.

Infrastructure



Sports Facilities

Gymkhana provides facilities to practice sports. Our sports complex consists of indoor table tennis, carom, chess, outdoor table tennis, outdoor chess, Volleyballl ground, AstroTurf football, football ground skating, cycling track and cricket ground. There is an open gymnasium which aids in the development of physical fitness and is a stress buster after long hours spent in the classroom.



Hostel

The hostel accommodation for outstation students is provided by Somaiya Trust at Vidyavihar and Ayurvihar campuses. There are two hostels which can accommodate 408 girls and 524 boys between them. For newly admitted student, 25 seats for boys and 15 seats for girls are reserved. Third hostel at Ayurvihar campus is under construction. Hostel rooms are well equipped and have internet

facility, provides hygienic/nutritional food and recreation avenues like gymnasium, jogging track etc.









Canteen

Spacious open canteen with delicious food, electric and internet points at places with a small amphitheater like arrangement for mini events is available in newly constructed Riturang Building



Bus Facility

Both the campuses of Somaiya Trust at Vidyavihar and Ayurvihar are connected through bus facility for students and staff.

Department of Electronics & **Telecommunication Engineering**

Department of Electronics and Telecommunication Engineering started in the year 2001 with an intake of 60. The intake was increased to 120 in the year 2003. The department is accredited by NBA in 2018.

The department has well qualified and highly motivated faculty supported by dedicated nonteaching staff members. The department has well equipped labs with latest state of art facilities. The department is committed to impart excellent teaching- learning, and research and development activities in the field of electronics and communication to its students in a most effective manner. The department organizes activities such as expert lecture, workshops, seminars, industrial visits, internships and other co-curricular activities for the all-round development of students that provide an engineering attitude amongst students to solve technical problems with confidence. The department also organizes the activities to inculcate ethical behavior, responsibility and commitment amongst the students. The students take active participation in workshops, project competitions and other cocurricular and extracurricular activities.

The students of the department have scope in the fields of Mobile and Wireless Communication, Microwave and RF communication, Signal Processing and Machine Learning, VLSI and Embedded System Design, Networking, Robotics, Defense and Research applications.







Best Practices of Department

- ✓ Highly qualified & dedicated staff
- ✓ Well equipped & latest state of the art **laboratories**
- ✓ Extensive use of ICT based Teaching and Learning
- √ Focus on all-round development of students
- ✓ Emphasis on project based learning
- Active participation in project competitions/other technical activities
- ✓ Strong mentoring system
- ✓ Active association with professional bodies such as IEEE, IEI and IETE



Department of Computer Engineering

The department of Computer Engineering was established in the year 2001 to impart quality education with intake of 60 and has doubled to 120 from the academic year 2019-20. The department is accredited by NBA in 2018 and has highly qualified, determined and dedicated teaching faculty who prepare students to excel in the field of computer engineering. The state-of-the-art laboratory facilities for students to perform project based learning. Few faculties from department work dedicatedly in Software Development Cell (SDC) which is actively involved in R&D and consultancy projects.

Student's active participation in technical activities like Hackathon, Project competitions, International conference etc. gives them a platform to interact with the industry personnel. Students have opportunities to participate in various professional bodies, students club and student cell to flourish their talent in co-curricular and extra co-curricular activities

Job Opportunities for Computer Engineer –

- √ Computer Programmer
- √ Network Engineer
- ✓ IT Consultant
- ✓ Software Designer
- √ Systems Analyst
- √ Scientific Researcher
- ✓ Database Administrator
- √ Researcher & Academician
- ✓ Software Testing Engineer
- √ Games Developer Etc.
- · Cuilles Develope
- ✓ Data Scientist
- ✓ Mobile Application Developer
- ✓ Web Application Developer
- √ UI/UX Designer
- ✓ Network Administrator
- ✓ Business Analyst
- ✓ System Administrator
- ✓ Cyber Security Analyst
- ✓ Forensic Computer Analyst
- √ IT Manager
- ✓ SEO Expert







Information Technology

Department of Information Technology empowers its students to become the technological leaders of tomorrow by imparting quality education and knowledge of cutting-edge Information Technology. The department enormously encourages research and innovative projects focusing on applications like healthcare, societal contribution, agriculture, automation, security and surveillance, etc. using Artificial Intelligence, Machine Learning, Internet of Things, Big Data Analytics, Blockchain, Cloud Computing, etc. The department has strong tie-ups with various industries to provide students an exposure to the environment they will become part of and make them industry-ready. Also, the department has an excellent record in both academics and placements. Emphasis is laid on hands-on aspects through laboratories, co-curricular and extracurricular activities to help students explore interests and create a broader perspective, build higher self-esteem and learn essential life skills. Students of the department actively participate and win prizes in various project competitions, hackathons, paper presentations, etc.







Forte of the Department:

- √ State-of-the-art infrastructure
- ✓ Dynamic and dedicated faculty and staff members aligned with institutional goals
- √ Focus on synergy between teaching and all-round development of the students
- Emphasis on project-based learning using model tools and technologies
- Myriad activities like training programs, seminars, workshops and guest lectures by industry experts, industry visits, student competitions, etc.
- ✓ Culture of internships for all students
- ✓ Use of ICT and modern pedagogical approaches for enhancing various academic accomplishments
- ✓ Association with professional bodies CSI, IET, IEEE, etc.

Since technology is growing and evolving at a breakneck speed, Information Technology has become the foundation on which various industries function. The next lustrum will see an enormous increase in Information Technology jobs and start-ups with career options as Data Scientist - Database Administrator - Data Scientist - Database Administrator - Data Analyst - Software Engineer - IT Consultant - Web and Mobile Application Developer - Business Analyst - Information Security Analyst - Cloud Administrator - Cyber Security Analyst, etc.

Artificial Intelligence and Data Science

Department of Artificial Intelligence and Data Science started in the year 2020 with the intake capacity of 60 seats. This is an interdisciplinary branch of science, engineering and technology creating a complete ecosystem and a paradigm shift in virtually every sector of the technical industry, academics and research. Artificial Intelligence and Data Science is the future of technology which are changing the world at very high pace. The basic objectives of this course is to train students with the next age of Intelligence and analytics generated by machines, influencing nearly every facet of our lives to help improve efficiencies and augment human capabilities, influencing consumer products with significant breakthroughs in healthcare, manufacturing, finance and retail industries. With the tremendous amount of data generated every day and the computing power available, Data Science plays important role helping every business organisation in identifying business trends and changes through advanced Big Data Analytics with variety of techniques and tools to interpret and predict business results and future from multiple data sources through statistical analysis, data aggregation, and data mining.

Opportunities for Artificial Intelligence and Data Science Engineer:

Artificial Intelligence Engineer Machine Learning Engineer

Al & ML Lead

Data Scientist

Deep Learning Engineer

Data Analyst

Data Engineer

NLP Engineer

NLP Analyst

Research Scientist

Database Administrator

Data Architect

Statistician

Business Analyst

Data and Analytics Manager









Electronics Engineering

Electronics is the branch of science, engineering and technology that deals with electrical circuits involving active electrical components such as vacuum tubes, transistors, diodes and integrated circuits, and associated passive interconnection technologies. The nonlinear behavior of active components and their ability to control electron flows makes amplification of weak signals possible and is usually applied to information and signal processing. Similarly, the ability of electronic devices to act as switches makes digital information processing possible. Interconnection technologies such as circuit boards, electronics packaging technology, and other varied forms of communication infrastructure complete circuit functionality and transform the mixed components into a working system. Electronics Engineering department has signed 18 MoUs with various industries for conduction of guest lecture, Internship for student, Project Colabration, Industrial Visits, etc. The Electronics Engineering department received a donation of Lab-In-Box from ARM which consists of 10 ARM cortex MO+ FRDM KL25Z development boards from Freescale Semiconductors and 100 floating licenses of Keil mdk professional under lab setup by Eduvance Vanmat Technologies Pvt. Ltd, Mumbai.

Admissions are available in Department of Electronics Engineering only for Direct Second Year Engineering (DSE) i.e. for Diploma Completed Candidates as per guidelines of DTE, Maharashtra State.

Department Strengths-

- √ Focus on Project Based Learning
- ✓ Ample of opportunities and funding for development of Industry and Research Projects.
- ✓ Participation in ROBOCON-Asia Pacific Broadcasting Union Robot Contest activity every year.
- ✓ Excellent academics and placement activities.
- ✓ Highly competent and devoted faculty with vast teaching and industrial experience.
- ✓ Well-equipped and State-of-the-art laboratories.
- ✓ Acquisition of academic skills of learning through ICT and Innovative practices.
- ✓ Strong mentoring system for students.
- ✓ Active association with student professional bodies IETE, IEEE and CSI.
- ✓ Focus on the extracurricular activities through National Service Scheme (NSS)
- ✓ Ample of opportunities of in-house and industrial internships for students.
- ✓ Strong industry interface through Industry Institute Interaction Cell (IIIC)







Basic Sciences and Humanities

The Department of Basic Science and Humanities endeavors to accomplish the objectives concerned with the Engineering courses. In the direction of imparting training to deliver the Universal Human Values as a part of holistic measures the department has implemented the 'Induction Training Program' to the newly admitted students. The key focus is on Personal Counselling & Mentoring' with expert lectures in the area of Sports, Research, Culture, Ancient and Foreign Languages, Yoga & Meditation, Guidance on Start-ups etc. The students are inducted to various core committees headed by the faculty - National Programme on Technology Enhanced Learning - NPTEL (online courses run by IITs), Vyom (Astronomical Club), Infinity Loop (Programing/Coding), Indian Society for Technical Education - ISTE (Technical events), New Leap Initiative (Satellite club) Aura Magazine, Nakshatra (Marathi Bhasha Cultural Wing), Somaiya Space Conclave, the first of its kind in Indian college. The Induction program is aimed to reinforce the fundamental concepts and the required language skills as pre-requisites for technical education. Purpose of the Student Induction Program is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self exploration.

Laboratories -

- √ Applied Physics Lab
- √ Applied Chemistry lab
- ✓ Engineering Mechanics lab
- ✓ Basic Electrical Engineering Lab
- ✓ Auto-cad Lab
- ✓ Sci-Lab
- ✓ Language Lab
- √ Computer Programming Lab
- ✓ Hardware and Networking Lab
- ✓ Workshop
- ✓ Engineering Drawing Hall









Post-Graduate Programme in Artificial Intelligence

Programme Highlights:

Programme: Master of Engineering - M.E. (Artificial Intelligence)

Discipline: Computer Engineering

Duration: 2 Years **Intake:** 18 Seats

Eligibility: B.E. – First Class in Computer Engineering / Information Technology / Electrical

Engineering / Electronics Engineering / Electronics and Telecommunication

Engineering / Instrumentation Engineering / Power Electronics

Requisite: Non-Zero Positive GATE Score in Computer Science and Information Technology

(CS) stream OR Full-time Work Experience of 2 Years with Sponsorship Certificate

from the Employer

Programme Objectives:

√ To provide comprehensive knowledge of state-of-the-art AI techniques

- √ To produce skilled practitioners who can cater to the needs of government, industry and scientific organizations in the area of Al
- √ To produce industry-ready professionals with strong algorithmic perspective of Al
- √ To acquaint working professionals with cutting-edge developments in AI
- √ To facilitate programmers in migrating to Al solutions' development
- ✓ To provide hands-on experience on multiple case studies using key drivers of Al like Python, R, MATLAB, Caffe, Hadoop and more

Salient Features of the Programme:

- ✓ Artificial Intelligence indicated as Emerging Areas of Technology by AICTE
- ✓ Cutting-edge curriculum designed with extensive input from industry subject matter experts
- √ Hands-on artificial intelligence projects
- ✓ Pedagogy: Learning by doing, Industry mentoring, Blended learning
- ✓ Job opportunities at Research and Development level
- √ Industry insights through multiple industry knowledge sessions
- ✓ Platform to exchange research ideas with peers through the International Conference organized annually at KJSIEIT
- ✓ Direct advantage of Center of Excellence at Robotics Process Automation at KJSIEIT
- ✓ Benefit of R&D culture in KJSIEIT to aspirants: More than 40 Research Grants received, More than 35 MoUs signed with industries, Expert talks organized on Research Opportunities by eminent scientists, Training programmes on various Al software development tools, etc.
- √ 24*7 access to state-of-the-art research publications in IEEE, ACM, Elsevier, Springer, etc. digital libraries for KJSIEITians

Courses Offered:

- ✓ Machine Learning and Pattern Recognition
- ✓ Mathematical Foundations of Data Science
- ✓ Deep and Reinforcement Learning
- ✓ Natural Language Processing
- ✓ Robotics Process Automation

- ✓ Bio-inspired AI
- ✓ Big Data Analytics
- ✓ Information Retrieval
- ✓ Al in Bio-informatics
- ✓ Autonomous Robotics
- ✓ Computer Vision
- ✓ IoT Data Analytics
- ✓ Speech Recognition
- ✓ Blockchain
- ✓ Mixed Reality

Knowledge Resource Centre (Library)

Salient Features

- Enriched and duly updated collection of books, journals and magazines to suit the ambience and location of Knowledge Resource Centre (Library) for its stakeholders.
- 21000+ print books of renowned authors both Indian and foreign comprising of Text books, Reference books, Handbooks, Encyclopedia and general reading books.
- 6000+ ebooks pertaining to engineering.
- 500+ E-journals including IEEE, ACM, ASME,
- SPRINGER, SCIENCEDIRECT. Remote access for e-library.
- NPTEL videos lectures by IIT professors on various subjects.
- Comprehensive collection of CDs and DVDs, study material and application softwares.
- Provision of past question papers and syllabi copies in hard copy as well as on institute website under Library page.
- Additional reading facility on holidays during examination.
- 24x7 reading hall facility in Somaiya Medical College in the same campus.
- Global Common Circulation (GCC) facility that enables every Somaiya student to borrow books from any Somaiya institute's libraries.
- Book Bank Facility.
- Wi-Fi connection for uninterrupted internet usage.
- Online Public access catalogue.
- Online Renewal, Online Reservation, Reminders on E-mail.
- Alerts about current contents and current material in library.
- 11 newspapers in English and other regional languages.
- Photocopy facility available on ground floor.
- Starreader student awards.
- Books Exhibitions.



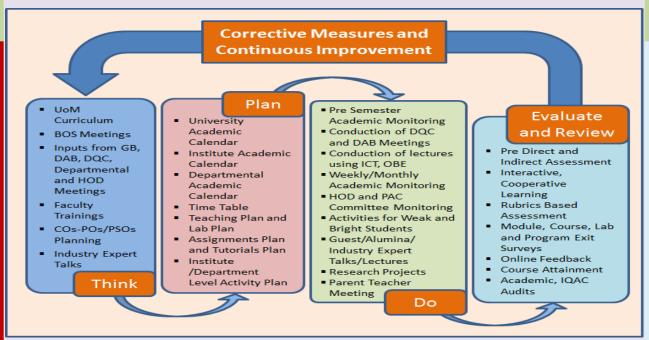






Best Practices in Academics

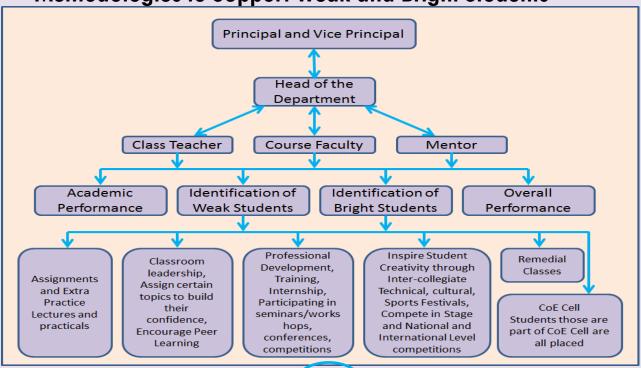
Quality Teaching Learning Process



Digital Learning

Institute uses TCS-iON Digital Learning platform, Value addition Online Certification courses of NPTEL, Swayam, Spoken Tutorials-IIT Bombay, Coursera.org campus licence, National Digital Library of India, etc.

Methodologies to Support Weak and Bright Students



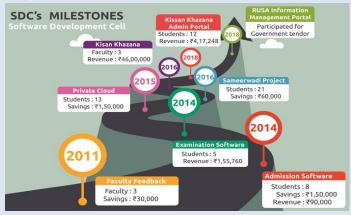
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Facilities in Campus

Software Development Cell (SDC)

Software Development Cell is a group of faculty members and students of the institute who want to put theory into practice and make use of their knowledge for betterment of society through project development.

With perseverance and diligence, the team managed to take up not only in house projects but also software consultancy projects for organizations like Godavari Bio-refineries Limited, Sameerwadi, K J Somaiya Science and Commerce College,



Mumbai etc. The gamut of projects taken up and successfully delivered by the team includes Admission Process Management, Agricultural Data Management for KIAAR, Mobile based notification application for Farmers, tissue culture growth room controller, Examination Management System, GIS based Crop management System, Expert Systems to guide farmers etc.

Centre of Excellence (CoE)

"Centre of Excellence in RPA, AL & ML" started by KJSIEIT in joint collaboration with UiPath and Robonomics Al in August 2018 which is believed to be the 1st ever unique cell among all Engineering colleges in India. The three crucial aspects for the Centre of Excellence are - Compile, Create & Dissemination of information. Currently total 76 students and 10 faculties from KJSIEIT have registered under CoE. Total 30 students and 4 faculty undergone the training and started execution on UiPath RPA tool. Total 12 industry projects are allotted to group of students and after the successful completion of the same, the students will undergo UiPath Certification and placement activities.

Institute Innovation Council (IIC)

Institution's Innovation Council of the institute (KJSIEIT - IIC) runs as per the guidelines of MHRD's Innovation Cell (MIC) to promote innovation and entrepreneurship at institute level. The prime goal of KJSIEIT – IIC is to encourage, inspire and nurture young minds of students by supporting them to work with new ideas and transform them into prototypes as well as products. Throughout the year, KJSIEIT – IIC conducts various innovation and entrepreneurship-related activities for the students like seminars, webinars, interactions with entrepreneurs, idea competition, design competition, PoC development workshops, mini-challenges, hackathons, business plan competition, etc. with the involvement of industries, thus creating a vibrant local innovation ecosystem in the institute.

(KJSIEIT - IIC) is awarded as:

- ☐ One of the Top 25 Institution's Innovation Councils in the Nation (among 952 Institution Innovation Councils across the nation) for the year 2018-19.
- ☐ One of the Top 3 Institution's Innovation Councils in Western/WRO Zone (among 159 Institution Innovation Councils across the western zone) for the year 2018-19.



Facilities in Campus

Annual International Conference on "Advances in Science and Technology"- ICAST:

Institute annually organises international conference - ICAST to bring together academicians, researchers, developers, engineers, students, industrial experts and practitioners working in India and abroad promoting research and developmental activities scientific information interchange the field of science ,engineering and in technology to a common forum.



KJSIEIT-DLLE Centre

Institute has registered with DLLE, Department of Lifelong Learning and Extension, University of Mumbai during this year 2019-20. An opportunity is open to students to gain 10 marks grace at Final Exam during every year provided that they are working for 120/240 hrs of extension activities/projects.

Extension students are involved in different extension projects of Skill Development, Industry Orientation, Career Guidance, Entrepreneurship Development, Status of Women in Society, Environmental Protection, Population Education, National Institute of Schooling and Anna Poorna Yojana.

KJSIEIT-DLLE received Consolation prize for poster presentation at Udaan- Flight of Extension 2020, Annual Festival by DLLE, University of Mumbai in January 2020 which is of great achievement

Developer Student Club (DSC):

DSC club aims to collaborate and become a chapter of Google Developer Student Club following all its functions and aims working on Data Science, Cyber Security, App Development, IOT, Cloud Computing, Machine, Deep Learning - Artificial Intelligence and Firebase technologies. DSC collaborates with business organisations for technology based solutions facilitating project based problem solving activities.



REDEX-Al Club:

REDX (Rethinking Engineering Design and Execution)- AI (Artificial Intelligence) club provides students a platform to work on real time projects. Students will be developing the projects using Al-ML technology under guidance from industry experts. The basic focus is to work in the domain of agriculture, Healthcare and Education.

KJSIEIT-Green Club

Green club creates environmental and cleanliness awareness among students and staff using various techniques. Also educate students and staff for plantation of more number of trees including medicinal plants and maintaining the Institute campus green by using concept of Reduce, Reuse and Recycle. Green club promotes to use smart techniques for saving and efficiently using natural resources for maintaining the Campus Green and also to participate and win as KJSIEIT with different awards and rankings.

Facilities in Campus

Industry Institute Interaction Cell (IIIC)

Industry Institute Interaction Cell (IIIC) is dedicated to bridge the gap between academics and industries. Through IIIC, the institute has signed MOUs with industries for various activities. It identifies students to work on projects in industries, organizes Job-Fair to increase placement of the institute, arranges guest lectures/seminars of industry experts, organizes industrial visits / training for students and faculty. It also encourages students to join internship programs at various industries as well as in house internship provided by faculty, students and alumni.

Research Innovation Incubation Design Laboratory (riidl)

riidl is an incubation centre which provides nurturing environment to early based startups by providing them work space and mentoring which enables them to contribute to the community. Through riidl, we also create focused groups who wants to work on projects and technology based business ideas. The services provided by riidl help startup to grow and facilitate their need during their early growth stage.



Innovative Student Project Funding

Institute encourages research and development culture among students from first year engineering itself. Innovative, need based, societal projects are fully funded by the institute and platforms being made available to use, market, produce, present, publish and patent student's projects.

Interaction With Outside World

Students are encouraged to interact with outside world by supporting them for participation and winning at project competitions, project exhibitions, research conventions, conferences, programming and hackathon contests, technical and non-technical activities, sports, startups etc.

New Leap Initiative (NLI)

New leap initiative is a space club at our Institute. The team is a proud winner of 'Touch The Jovian Moon-Lander Mission Design' contest hosted by LPSC-ISRO. NLI was started with a belief to make space accessible to the common man. Basic goal of NLI is to apply knowledge of engineering to develop inexpensive, flexible and easily reproducible designs to better serve the community. NLI team is also working in association with ISRO towards the development of a two nano satellite. Besides the primary goal, team is also involved in various other industrial projects out of which one is under 'Make in India' Initiative.



Cyber Security Cell

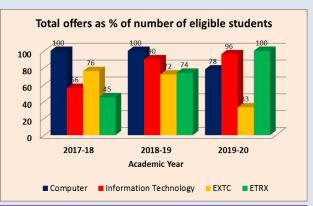
Cyber Security Cell started with the motive to create awareness about cyber crimes and security. Through Cyber Security Cell various workshops, seminars and training programs are conducted for all sections of society. The cell provides consultancy services as well. The cell gives exposure to the students and faculty to the recent trends in cyber crimes and trains them to secure the systems. Students are sent to the internship programs in cyber security industry

Training - Placement and Result

With a view to providing appropriate career opportunities to students, the Training and Placement (T&P) Cell continuously interacts with the leading companies and organizations. The T&P office handles all the aspects of campus placements and has adequate arrangements for the pre-placement training talks, written tests, group discussions, interviews, finishing schools etc.

The T&P committee grooms students to enhance their communication and presentation skills though mock-practice sessions. It emphasizes on analytical abilities, aspects on flexibility and adaptability, in order to cope with the changing and competitive business environment. Relevant workshops are frequently organized for student advancement.









CTC Offered Recruiting company Human Resocia (japan) 22 LPA(Approx) JARO Education 12 LPA **MU Sigma** 8.3 LPA **Interactive Brokers** 8.18 LPA **Wissen Technologies** 8 LPA TCS(DIGITAL profile) 7 LPA JARO education (CDO profile) 6.6 LPA Accenture (FSE profile) 6.5 LPA **PIN CLICK** 6.02 LPA TCS (Through CODE VITA) 5.6 LPA **Amazon AWS** 5.3 LPA **BNP Paribas** 5 LPA 5 LPA LTI Seclore 4.5 LPA Accenture (ASE profile) 4.5 LPA **Vodafone Support Services** 4.25 LPA **NSE IT** 4 LPA **Publisis Media** 4 LPA Reliance jio 3.5 LPA

Last 3 Year Result

Month & Year	Computer Engineering	Information Technology	Electronics and Telecommunication Engineering	Electronics Engineering
May 2019	98.68	100	94.41	86.84
May 2018 95.06		97.50	80.95	88.73
May 2017	100	95.71	96.10	86.36

Student Welfare

Scholarships and Other Schemes

Go	Government Scholarships		Somaiya Trust Level Scholarships	
1.	EBC (Rajarshi Chatrapati Shahu Maharaj Fee	1.	Need Based Scholarship	
	Reimbursement Scheme)	2.	Merit Based Scholarship	
2.	EBC-University of Mumbai	3.	Special Interest Scholarship	
3.	Scheduled Caste (SC) / Scheduled Tribe (ST)	4.	Research Fellowship	
4.	Other Backward Class (OBC)	5.	Subjects based Scholarship	
5.	Special Backward Class (SBC)	6.	SIMSR Scholarship	
6.	VJNT (Vimukta Jati & Nomadic Tribe)	7.	Help a Child	
7.	Scheduled Tribe	8.	Somaiya Scholarship For women	
8.	Teachers Ward Scholarship	9.	KJSIEIT Merit cum Means Scholarship	
9.	Minority Scholarship	10.	KJSIEIT Helping Hand Scholarship	
10.	J&K PMSSS Scholarship	11.	Various Trust Scholarship	
11.	J&KSSS and Govt. of India	12.	Somaiya Women's Scholarship	
12.	PMSS Scholarship-CAPF&AR			
13.	Tata Scholarship			
14.	Amartya Shiksha Yojana Policy			

Note: Student can apply for Scholarship as per eligibility criteria

MOUS/ Internships

Mumbai

1.	Ediffy Communication Pvt. Ltd.	16.	Current Technology (C-Tech)
2.	Copper Track Industries, Nashik	1 <i>7</i> .	Riva Labs Private Limited, Nagpur
3.	CTL Infocom Pvt. Ltd. Mumbai	18.	Aditya Jyot Foundation for Twinking Little
4.	Mastek Ltd. Mumbai		Eyes(AJFTLE)
5.	Applied Digital Microsystems, Mumbai	19.	Cognito IT Consulting Private Limited Boisar
6.	R.S. Industrial Heating Systems,		(CCPL)
	Mumbai	20.	Veermata Jijabai Technological Institute
7.	Eduvance Vanmat Technologies Pvt.		Mumbai (VJTI)
	Ltd., Mumbai	21.	Onliest Holidays
8.	Gilbarco Veeder Root Ind. Pvt. Ltd.	22.	K. J. Somaiya Medical College and
	Mumbai		Research Centre (KJSMC)
9.	Vihang Leisure, Thane Mumbai	23.	Josh Technology Group (JTG) (Product:
10.	Purple Squirrel Eduventures, Mumbai		CALYXPOD)
11.	ARK Technosolutions, Thane	24.	CMP Infotech (CMP)
12.	KJSIEIT & KIAAR, Mumbai &	25.	Campus Credential (CC)
	Karnataka.	26.	Databyte Systems and Services (DSS)
13.	Teach To Lead, Vikhroli, Mumbai	27.	Eduvance Vanmat Technologies Pvt. Ltd.,
14.	Ecstasy Educational Holiday Planner		Mumbai
	Pvt. Ltd. (EEHP)	28.	MASTEK Ltd
15.	ACEVIN Solutions, Jogeshwari (E)	29.	SAHU Technologies

30. SMEC Automation Ltd.

Student Welfare

Trust Level / Institute Level Awards and Recognitions

- Outstanding Students (Boy & Girl) of the year Award for Best Performance in Academics
- ✓ Outstanding Students (Boy & Girl) of the Year under Higher Education
- ✓ Toppers/Projects/Innovations/Technical / Co-curricular / Extra curricular

Need Based and Societal Project Based Learning

Institute is focusing on project based learning. Faculty & Students are developing Society and need based projects in the fields of Health-informatics, Bioinformatics and Agricultural Research.

Projects Completed / Ongoing in the Institute

<u> </u>						
Sr.	R & D Project	No. of Projects			Total Grant Applied /	
No.	Domains	Completed	On-going	Total	Received (In Rs.)	
1	Agricultural Research	-	3	3	Received 25,20,500/- and Applied for 2 crores grant	
2	Healthcare Research	2	7	9	Worth 1 Crore	
3	In-house Automation	3	-	3	Received 34,026/-	
4	Societal Contribution	4	3	7	Received 1,01,155/-and Applied for 24,38,480/- grant	
5	Security	7	-	7	Received 39,100/-	
6	Others	2	3	5	Received 15,25,000/-	
7	New Leap Initiatives: Satellite Related	-	7	7	Investment of 3,60,000/-	

Student Support Committees

Internal Quality Assurance Cell	Student Council
Earn and Learn Policy Committee	Library Committee
Student Welfare Committee	Academics Committee
Students Grievance Redressal Cell & Portal	Cultural Committee
Research Development and Consultancy Committee	Technical Committee
Eradication of Sexual Harassment Committee	NPTEL Study Centre Committee
Marathi Bhasha Wagdmay Mandal — Nakshatra	Safety & Security Committee
Alumni & Corporate Relations Committee	Aura Magazine Committee
Student Council Committee	Canteen Committee
Software Development and I.T. Committee	NSS Committee
Entrepreneurship Development Cell	Sports Committee
Counselling and Mentoring Cell	Discipline Committee
Anti Ragging Squad	Anti Ragging Committee
Women Development Cell	Green Club
·	

Student Professional Bodies



CSI-KISIEIT

Computer Society of India (CSI) has been instrumental in building many successful engineers over the years. Number of technical and non-technical activities are held throughout the year for the all round technical and managerial skills of students.

IET-KISIEIT

The Institution of Engineering and Technology (IET) student chapter helps students to develop their technical skills that are essential in the corporate world. Most of the workshops, seminars, competitions are held by IET professionals with training on various technical projects. Institute is an academic affiliate partner of the IET.





E-Cell KISIEIT

The Entrepreneurship Cell (E-Cell) is an association managed and driven by students to promote entrepreneurship among students. E-Cell is associated with the National Entrepreneurship Network (NEN) to interact with like-minded people, The E-Cell basically focuses on student start-ups.

IEEE-KJSIEIT

The Institute of Electrical and Electronics Engineers Standards Association (IEEE-SA) is an organization within IEEE that develops global standards in a broad range of industries, including power and energy, biomedical and health care, information technology, telecommunication, transportation, nano-technology, information assurance, and many more. IEEE-KJSIEIT provide learning opportunities to students in the field of engineering sciences, research and technology.





IETE-KJSIEIT

The Institution of Electronics and Telecommunication Engineers (IETE) is the National Apex Professional body of Electronics and Telecommunication, Computer Science and IT Professionals. The IETE-KJSIEIT Student Chapter focuses on advancement of the Science and Technology of Electronics, Telecommunication, Computers, Information Technology and related areas.

ISTE-KJSIEIT

The vision of Indian Society for Technical Education (ISTE) is a world where all learners thrive, achieve and contribute. ISTE-KJSIEIT works with a mission to empower learners to flourish in a connected world by cultivating a passionate professional learning community, linking educators and partners, leveraging knowledge and expertise, advocating for strategic policies, and continually improving learning and teaching.





IEI-KJSIEIT

The Institution of Engineers (India) (IEI), the premier professional body of engineers in India, has contributed significantly in all faculties of engineering and all sectors of applications like academics, administration, industry, infrastructure and consultancy.

ACS-KJSIEIT

Founded in 1876 and chartered by the U.S. Congress, ACS is the world's largest scientific society. Their mission is to advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people. Their vision is to improve people's lives through the transforming power of chemistry.



Co-Curricular Activities

















Life Long Learning and Extension Activities











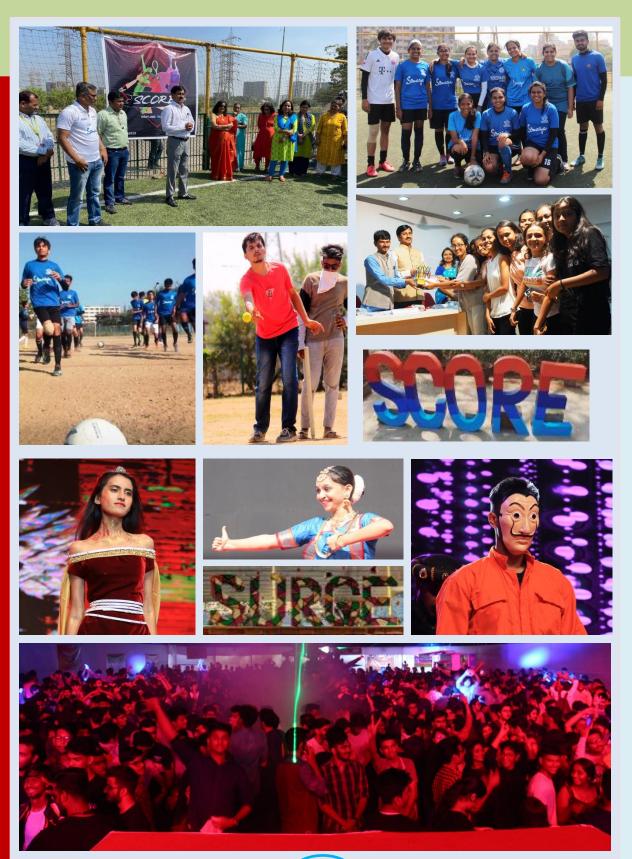








Extra-Curricular Activities



Programmes Offered

B.E. (Computer Engineering)

Intake: 120

B.E. (Electronics and Telecommunication Engineering)

Intake: 120

B.E. (Information Technology)

Intake: 60

B.E. (Artificial Intelligence and Data Science)

Intake: 60 From A. Y. 2020-21

B.E. (Electronics Engineering)

Intake: Only for Direct Second Year Engineering (DSE)

Diploma Passed Candidates

M.E. (Artificial Intelligence)

Intake: 18

The institute has Gujarati Linguistic Minority status. Accordingly, the distribution of seats is as follows:

- i) 51% of Sanctioned Intake for Gujarati Linguistic Seats admitted through CAP by the Competent Authority.
- ii) 29% through Centralized Admission Process (CAP) by the Competent Authority.
- iii) 20% Institute level seats through Centralized Admission Process (CAP) by the Competent Authority.
- iv) For the seats remaining vacant after CAP rounds, online Application forms will be available on the institute website: https://kjsieit.somaiya.edu/en

Eligibility criteria for Admission to the B.E. and M.E. programmes will be as per the rules prescribed by Admission Regulating Authority.

Admissions are strictly on the inter-se-merit basis and as per the rules prescribed by the Directorate of Technical Education and Admission Regulating Authority, Government of Maharashtra.

Fee Structure

Fee Structure for the First Year Engineering

The Fees payable on admission to the College for the First Year Engineering Degree Course will be charged as per the decision of Fees Regulating Authority.

Category	Tuition + Development Fees in ₹	Total Fees in ₹ including other Fees ** Maharashtra State board Candidate	Total Fees in ₹ including other Fees ** Other than Maharashtra State board Candidate
Open Category (CAP)	1,66,000	1,70,669	1,71,489
SC (CAP)	-	4,669	5,489
ST (CAP)	19,098	23,767	24,587
VJ/NT/DT SBC/SBC-A (CAP)	19,098	23,767	24,587
OBC/EBC (CAP)	85,647	90,316	91,136
TFWS (CAP)	19,098	23,767	24,587
J&K& GOI (CAP)	24,000	28,669	29,489
Vacancy Against CAP seats	1,66,000	1,70,369	1,71,189

^{**} Other fees includes University Enrolment fee, E-Charges, Disaster Relief Fund, Students Insurance, Amartya Insurance, Sports & Cultural Activities, Cultural Activities Fund, Gymkhana Fees, Exam Fees, College I-card & Library Card charges, University eligibility charges, verification charges, processing fee etc. as applicable.

Fee Structure for the Direct Second Year Engineering

The Fees payable on admission to the College for First Year Engineering Degree Course will be charged as per the decision of Fees Regulating Authority.

	Tuition	Total Fees in ₹	Total Fees in ₹	
Category	+	including other Fees **	including other Fees **	
Calegory	Development	Maharashtra State	Other than Maharashtra	
	Fees in ₹	board Candidate	State board Candidate	
Open Category (CAP)	1,50,000	1,54,422	1,55,242	
SC / ST (CAP)	16,903	21,325	22,145	
VJ/NT/DT SBC/SBC-A (CAP)	16,903	21,325	22,145	
OBC/EBC (CAP)	83,452	87,874	88,194	
Vacancy Against CAP seats	1,50,000	1,55,622	1,56,442	

^{**} Other fees includes University Enrolment fee, E-Charges, Disaster Relief Fund, Students Insurance, Amartya Insurance, Sports &Cultural Activities, Cultural Activities Fund, Gymkhana Fees, Exam Fees, College I-card & Library Card charges, University eligibility charges, verification charges, processing fee etc. as applicable.

As per Maharashtra Education Institute (Prohibition of Capitation Fee) Act 1987, Institute is not charging any kind of extra fees.

The fees will be accepted by **Online payment through net banking, debit card, credit card** or by demand draft or pay order drawn in favour of **"K. J. SOMAIYA INSTITUTE OF ENGINEERING & I. T."** payble at Mumbai.

Scholarships and Schemes

Scholarships and other Schemes

KJSIEIT-Merit Cum Means Scholarship/Sponsorship of $\stackrel{?}{ ext{ iny 25,000}}$ for 20 students in Electronics and Telecommunication branch.

Eligibility Criteria:

- 1) Candidate should be economically weak but deserving with an excellent academic record.
- 2) Yearly income of the candidate should not be more than Rs. 1,00,000/-. Candidates will have to submit income certificate stating that his/her parent's annual income is less than Rs.1,00,000/- lakh from all sources from the appropriate authority.
- 3) Minimum Cut-off marks for Scholarship/Sponsorship will be decided at the time of admission process.
- 4) Scholarship/Sponsorship of a student will be discontinued if found indulging in anti-institutional activities, ragging or any other activity contrary to rules of discipline without any notice.
- 5) Scholarship/Sponsorship of a student will be discontinued if his/her yearly progress report (of the candidate) is not satisfactory.

Concession in Tuition and Other Fees:

All the schemes given below, regarding concession in tuition and other fees shall be available to candidates belonging to Maharashtra State only subject to the fulfillment of the eligibility criteria specified by respective authorities offering such concession in fees from time to time.

E.B.C. Concession:

Candidates claiming concessions for Economically Backward Class (E.B.C.) shall produce a certificate from the Executive Magistrate to the effect that the candidate belongs to EBC category at the time of admission. Candidates admitted under CAP and who wants to avail this facility should submit an application in the prescribed form to the appropriate authorities through student section of the institute.

Concession in Fees for Backward Class Category Candidates (belonging to Maharashtra state only) For SC / ST / VJ DT / NT1 / NT2 /NT 3 / OBC / SBC / ESBC category candidates

The scheme will be announced by the state Government. The candidates admitted under CAP will get only that amount of waiver as notified in the circulars issued by the Social Justice and Tribal Welfare Departments from time to time, subject to fulfillment of various norms and conditions laid down by these Departments.

Candidates claiming fee concession under reservation category shall produce the requisite certificates as may be specified by the respective Social Justice and Tribal Welfare Departments.

Amartya Shiksha Yojana Policy:

The Government of Maharashtra and DTE has implemented this unique Scheme for Degree Courses in Engineering/ th Technology Students all over Maharashtra vide G. R. No. TEM-2011/(11/2011) TECH EU 04 dated 25 August, 2011. The Scheme is mandatory for all the colleges and students to pay and get insured as per the aforesaid Government Resoultion, from the Academic Year 2012-2013 for all the students. For further information contact Students Section of Institute.

Prevention and Prohibition of Ragging in Technical Institution under Anti Ragging Act

In view of the directions of the Hon'ble Supreme Court in SLP No. 24295 of 2006 dated 16-05-2007 and in Civil Appeal number 887 of 2009, dated 08-05-2009 to prohibit, prevent and eliminate the scourge of ragging including any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student, or indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student or asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student, with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student, in all higher education institutions in the country, and thereby, to provide for the healthy development, physically and psychologically, of all students, the All India Council for Technical Education, (AICTE) brings forth these Regulations.

Eminent Dignitaries Visited the Institute

Sr. No.	Name of the person	Designation
1	Dr. R. Chidambaram	DAE-Homi Bhabha Professor, BARC and Former Principal Scientific Advisor, Government of India
2	Dr. Larry Walker	Emirates Professor, Cornell University, London.
3	Dr. Jayant Naralikar	Scientist & Astrophysicist, India
4	Dr. Hemantkumar Aiyer	Chairman, Crompton Greeves, CG Global Research Centre, Mumbai.
5	Dr. Rudra Pratap	Chairperson, Department of Mechanical Engg. IISC, Bangalore.
6	Dr. Abhay Wagh	Director, Directorate of Technical Education, Mumbai.
7	Dr. Uday Khedkar	Professor, Computer Science, IIT Bombay, Mumbai
8	Dr. Ashish V. Tendulkar	Senior Data Scientist, Reliance Industries, Mumbai
9	Dr. A.K.Das	Dy. Project Director, Mumbai Monorail project, Mumbai
10	Dr. Pallavi Darade	Additional Municipal Commissioner, Greater Mumbai
11	Mr. Prabhakar Deodhar,	Advisor to the Ex-Prime Minister, Founder of APLAB Group of Companies, Mumbai
12	Shri. S. S. Shinde	Joint Muncipal Commissioner of Police, Mumbai
13	Dr. Sanjay Deshmukh	Vice Chancellor, Mumbai University
14	Dr. S. S. Mantha	Former Chairman, AICTE
15	Dr. R. V. Shegaonkar	Director, IIT-Delhi
16	Dr. Prathap Haridoss	NPTEL Co-ordinator, IIT-Delhi
17	Mr. Achyut Godbole	Ex.CEO L&T Infotech, Writer and Author of many Technical Books, Mumbai
18	Dr. Harold D'costa	CEO, Intelligent Quotient Security System, Pune
19	Mr. Alexander Antipin	Head of communication of ROSATOM, Nuclear Power of Russia.
20	Dr.Shaila Subbaraman	Professor, Walchand College of Engineering, Sangli, MH
21	Dr. Bhalchandra Bange (ICT)	Professor, Industrial and Engineering Chemistry
22	Mr. Sunil Khanna	President & Managing Director at Emerson Network Power, India & Chairman - CII Maharashtra State
23	Mr. G. D. Powar	
24	Mr. Vikrant Sankhe	General Manager, Defence Section, L&T, Powai, Mumbai General Manager, Siemens, India Pvt. Ltd., Mumbai
25		• • • • • • • • • • • • • • • • • • • •
26	Mr. Vicky Shah Miss Nirali Bhatia	Advocate Cyber Law, 65B Compliance, Mumbai
27	Dr. Debdatta	Cyber Psychologist and Director at V4web, Mumbai
28		NMRL, DRDO, Mumbai
29	Captain Tanuja Kabare Mr. Mitheel Jaikar	Ex- Captain, Indian Army
30	Shri Tukaram Munde	Ex-Major, Indian Army IAS Commissioner, Navi Mumbai Municipal Corporation
31	Smt. Anuradha Gore Veermata	Well known Marathi Writer
32		
33	Prof. Santosh Haram	Professor and Director, National Center for Nanosciences and Nanotechnology, University of Mumbai
34	Dr. Pravin Walke	Professor, National Center for Nanosciences and Nanotechnology, University of Mumbai.
35	Dr. Udayan Ganguly	Department of Electrical Engineering, IIT Bombay, Powai
	Dr. Dipankar Saha	Department of Electrical Engineering, IIT Bombay, Powai
36 37	Dr. B. R. Sankapal	Professor, Department of Physics
	Dr. Nitin S. Kale	Chief Technology Officer & Co-Founder, NanoSniff Technologies Pvt Ltd
38	Dr. Suhas Jejurikar	Professor, National Centre for Nanosciences and Nanotechnology, University of Mumbai
39	Dr. Mainak Roy	Scientific Officer, BARC, Mumbai
40	Dr. Sandesh Jaybhaye	Nanotechnology Research Centre, Department of Chemistry
41	Mr. Mahesh Mhatre	Chief Editor, IBN Lokmat News Channel, Mumbai
42	Mr. Balkrishna Nan	General Manager, Reliance Jio, Mumbai
43 44	Mr. S. Saini	ScientificOfficer, BARC, Mumbai
	Dr. S. R. Shimjith	Scientific Officer, BARC, Mumbai
45	Dr. Abhijat Vichare	Consultant, Abhijat Research & Software, Pune
46	Mr.Vinit Vijay Raghavan	Founder, Solarian Foundation, Mumbai
47	Mr. G. S. Tuteja	Head, Western Railways, Mumbai
48	Prof. Pratap Sinh Kakasaheb Desai	President, ISTE, New Delhi
49	Mr. Joy Rajan Cheruvathoor	Sr.V P, Business Services, Vodafone India
50	Mr. Shekhar Sanyal	Country Head, The IET, Mumbai
51	Prof. Dr. Umesh Bellur	Professor, Department of Computer Engineering,IIT-Mumbai.
52	Dr.Madhuri Sharon	Eminent Scientist, IITB, Mumbai
53	Dr. Maheshwar Sharon	Eminent Scientist, IITB, Mumbai
54	Mr. L. E. D'Cruz,	Ex-Chairman, The IET Mumbai Local Network, Mumbai
55	Dr. Girish Kumar	Professor Electrical Engineering IIT-B, Chairman, Wilcom Technologies Pvt. Ltd., Mumbai
56	Mr. Bomi Sam Gandhi	Vice President (Sales) at Godrej & Boyce, Mumbai
57	Mr. S.M.Vaidya	Vice President,Aerospace Department, Godrej,Vikhroli, Mumbai

Few Celebrities Visited our Institute

1	Mr. Irfan Khan	Hollywood actor and Bollywood Actor
2	Mr. Clinton Cerejo,	Music Producer and Singer
3	Mr. John Brandon Hill	Hollywood actor and Bolly wood Actor
4	Mr. Abhijeet Sawant,	Play back Singer
5	Shri Samir Date	Play back Singers
6	Ms. Dipali Somaiya,	Flay back Singers
7	Mr. Sudeep Jaipurwale,	Play back Singer
8	Isho Deol	Bollywood Actor
9	Mr. Pravin Dawane	Marathi Poet & Orator
10	Ms. Deepali Kelkar	News Reader, Aakashwani Kendra, Mumbai

And many more regular visits by Academicians, Researchers, Bureaucrats, Writers/Poets, Social Workers, Thinkers, Artists, Entertainers, Industrialists, etc.

Department of Electronics and Telecommunication



Department of Computer Engineering



Department of Information Technology



Department of Electronics Engineering



Department of Basic Science and Humanities











Glimpses









Year of	Somaiya Vidyavihar Institutes and	Initiativ	ves
Establishment		-	
	•		Shirdi - Ahmednagar
	Somaiya Vidya Mandir		Shirdi - Ahmednagar
			Mumbai
	K J Somaiya Junior College of Arts & Commerce		Mumbai
			Mumbai
		<u> </u>	Mumbai
1965			Bagalkot - Karnataka
		,	Mumbai
	•	,	Mumbai
	K J Somaiya College of Science & Commerce	,	Mumbai
1975	S K Somaiya Vinay Mandir Junior College	Vidyavihar	Mumbai
1976	K J Somaiya Junior College of Science & Commerce	Vidyavihar	Mumbai
1981	K J Somaiya Institute of Management Studies & Research	Vidyavihar	Mumbai
1982	K J Somaiya Institute of Journalism & Mass Communication	Vidyavihar	Mumbai
1983	K J Somaiya College of Engineering	Vidyavihar	Mumbai
1984	Somaiya Vinaymandir Kannada High School	Sameerwadi	Bagalkot - Karnataka
1988	K J Somaiya Private Industrial Training Institute	Vidyavihar	Mumbai
1989	K J Somaiya Bharatiya Sanskriti Peetham	Vidyavihar	Mumbai
1990	K J Somaiya Comprehensive College of Education, Training & Research	Vidyavihar	Mumbai
1991	Shri Sharda English Medium School	Kopargaon	Shirdi - Ahmednagar
1991	Nareshwadi Learning Centre	Dundalwadi	Dahanu - Maharashtra
1992	K J Somaiya Medical College & Research Centre	Ayurvihar	Mumbai
1993	K J Somaiya Yoga Academy	Vidyavihar	Mumbai
1993	K J Somaiya Centre for Buddhist Studies	Vidyavihar	Mumbai
1994	K J Somaiya College of Nursing	Ayurvihar	Mumbai
1995	S K Somaiya College of Arts, Science & Commerce	Vidyavihar	Mumbai
2001	K J Somaiya Institute of Engineering & Information Technology	Ayurvihar	Mumbai
2002	K J Somaiya College of Physiotherapy	Ayurvihar	Mumbai
2003	K J Somaiya Centre for Studies in Jainism	Vidyavihar	Mumbai
2004	K J Somaiya English Medium School	Sameerwadi	Bagalkot - Karnataka
2010	Somaiya Research Innovation Incubation Design Labs (riidl)	Vidyavihar	Mumbai
2011		Ayurvihar	Mumbai
2012	The Somaiya School	Vidyavihar	Mumbai
2014	Somaiya Centre for Experiential Learning	Vidyavihar	Mumbai
2015			Mumbai
2015		-	Mumbai
2016			Mumbai
2016		-	Shirdi - Ahmednagar
			Mumbai
2010	promony a minimum or the most area of the many (community)	os //kisisit sa	





Contact Persons

Dr. (Mrs.) Harsha Mishra 9920172115 (For First Year Engineering Admissions)

Mr. Kirti Patel 9769534232 (For Direct Second Year - DSE Admissions)

Dr. Hariram Chavan 9224665607

(For PG Admissions)

Mr. Pandurang Terse 9757418800

(General Enquiry)

Email: enquiry.tech@somaiya.edu

Website & Social Media:

https://kjsieit.somaiya.edu/en

https://www.youtube.com/kjsieitofficial

https://www.facebook.com/kjsieitofficial

https://www.linkedin.com/in/kjsieit

https://www.twitter.com/kjsieit1

https://en.wikipedia.org/wiki/K. J. Somaiya Institute of Engineering and Information Technology





K. J. Somaiya Institute of Engineering and Information Technology

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