K J SOMAIYA COLLEGE
OF ENGINEERING
MUMBAI – 400 077
(Autonomous College Affiliated to University of Mumbai)
Awarded ‘A’ Grade by NAAC for five years from May 2017
INFORMATION BROCHURE
ॐ पूर्वसम्म: पूर्णिमिवं पूतान्तु पूर्णमुदयते।
पूर्णिमयो पूर्णमादाय पूर्णमबाणविषयते॥9॥

ॐ ईश्वरोऽहस्थियस्वं सर्वं चतुर्णैः प्रका च जगत्यां ज्ञाता।
तेन स्वक्तेन पुज्जीवः सा गुष्ठवः कस्मच स्वाधेनितः॥12॥

युक्तं करोति वायवलं पञ्चं लम्बंते गिरिः।
वल्कुषः तस्मां यद्य पर्यास्नानदायिनः॥13॥

ॐ प्रज्ञो देवी सर्वत्रस्ती वाजेश्वरश्चत्तिकायी श्रीनागविष्यकु।
ॐ खंडविनी स्वरूपात्मा शेषाय नमोऽभिमान। यथा देव शरस्वती॥19॥

ॐ अस्तो भागमद् तमसो मा ज्योतिर्गम।
मूलोऽवशाश्चूर्त गमय॥15॥

ॐ सहानुवस्तु: सहनी युण्डः सहायकश्च कर्तवः।
रोज्जविवाहीतरीणः न तिष्ठितान्यात॥16॥

कर्षकं हृदिन: सन्नु तथो सन्नु निराशयः।
तथं भद्राणि पथश्च तस्मिन् दुःखनाशयकः॥18॥

ॐ शांति:। शांति:। शांति:॥
A Message from the Founder

My Dear Young Students,
Welcome to you to the Institutions of Vidyavihar!
Your Finest Hour is here. The future belongs to you.

Let us all zealously work together and dedicate ourselves to build India of our dreams. Remember, nothing was ever achieved without hard work.

Be bold but not be bowled over.
Let Truth and Duty be your watchwords.
Never despair in the face of setbacks.
Keep courage and continue to work with Fortitude.
Have faith in yourselves and in the Almighty.
Strive for your Goals and the future is yours!
Our Inspiration

The Great Visionary and Transformational Leader
(Late) DR. SHANITILAL K SOMAIYA, B.SC., LL.B., (D.SC. HONORISCAUSA)
(29th December, 1927 – 1st January, 2010)

A Leading Industrialist and Businessman, he received various awards including prestigious 'Luminosa' and 'Sanskrit Mitra' titles strongly upheld the peaceful co-existence of religions and travelled extensively across the globe to spread the message of Indian Culture and Philosophy. He also made remarkable contribution to Education and upliftment of ‘adivasis’.

Our Mentors

Trustee
Smt. Leelaben Kotak

Hon Secretary
Shri. V. Ranganathan

Provost
Dr. Rajan Welukar
### University Guidelines

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<th>Designation in Board</th>
<th>Name of the Member</th>
<th>Professional Address &amp; Designation</th>
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**Three members nominated by College Management from Education, Industry & Business field, out of this one shall be Chairman**

<table>
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<tr>
<th>Designation in Board</th>
<th>Name of the Member</th>
<th>Professional Address &amp; Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chairman</td>
<td>Shri Samir Somaiya</td>
<td>President - Somaiya Trust Chairman - BOM KJSCCE Somaiya Bhavan, 45 - 47, M.G. Road, Fort, Mumbai - 400 001</td>
</tr>
<tr>
<td>Member</td>
<td>Dr. Rudra Pratap</td>
<td>Professor, Cranes Sci MEMS Lab, Indian Institute of Science, Bangalore - 560 012</td>
</tr>
<tr>
<td>Member</td>
<td>Ms. Paula Mariwela</td>
<td>Executive Director SEEDFUND, 3, TURF Estate Dr. E Moses Road, Mahalaxmi Mumbai-400 011.</td>
</tr>
</tbody>
</table>

**Two experts nominated by Vice Chancellor from the Academic Council of University of Mumbai**

<table>
<thead>
<tr>
<th>Designation in Board</th>
<th>Name of the Member</th>
<th>Professional Address &amp; Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member</td>
<td>Dr. S. K. Ukarande</td>
<td>Dean, Faculty of Technology, Member, Mgmt Council, Senate, Academic Council, Univ of Mumbai</td>
</tr>
<tr>
<td>Member</td>
<td>Dr. Prachi Gharpure</td>
<td>Member, Academic Council, University of Mumbai</td>
</tr>
</tbody>
</table>

**Two teachers elected by College**

<table>
<thead>
<tr>
<th>Designation in Board</th>
<th>Name of the Member</th>
<th>Professional Address &amp; Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member</td>
<td>Prof. Ajay Gangrade</td>
<td>Associate Professor K. J. Somaiya College of Engineering, Mumbai 400 077</td>
</tr>
<tr>
<td>Member</td>
<td>Dr. Kanaklata Tiwari</td>
<td>Assistant Professor K. J. Somaiya College of Engineering, Mumbai 400 077</td>
</tr>
</tbody>
</table>

**State Council Member/Professor/Jt. Director nominated by State Government**

<table>
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<th>Name of the Member</th>
<th>Professional Address &amp; Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member</td>
<td>Dr. Prita Pant</td>
<td>Associate Professor Dept of Metallurgical &amp; Material Science, Indian Institute of Technology Powa, Mumbai 400076.</td>
</tr>
</tbody>
</table>

**One nominee of UGC**

<table>
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<tr>
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<th>Name of the Member</th>
<th>Professional Address &amp; Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member</td>
<td>Dr. Vijayshri Tewari</td>
<td>Indian Institute of Information Technology, Allahabad</td>
</tr>
</tbody>
</table>

**Alumni of the College**

<table>
<thead>
<tr>
<th>Designation in Board</th>
<th>Name of the Member</th>
<th>Professional Address &amp; Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member</td>
<td>Mr. Gaurang Shetty</td>
<td>Bidg. No.2, Lord Shiva Paradise, Mhasoba Maldan, Kalyan (W)</td>
</tr>
</tbody>
</table>

**Principal**

<table>
<thead>
<tr>
<th>Designation in Board</th>
<th>Name of the Member</th>
<th>Professional Address &amp; Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member Secretary</td>
<td>Dr. Shubha Pandit</td>
<td>Principal K. J. Somaiya College of Engineering, Vidyavihar, Mumbai 400 077</td>
</tr>
</tbody>
</table>
I welcome you to Somaiya Vidyavihar. Somaiya Vidyavihar was founded over 50 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.

Shri Samir Somaiya  
M.E. Cornell University, M.P.A Harvard University
"Whatever you do in word or in deed, do all in the name of the Lord, giving thanks to Him" —was the ethos of life of our founder late Padma Bhushan Karamshibhai Jethabhai (K. J.) Somaiya. His pioneering efforts and hard work not only revolutionized the sugar industries but his balanced perspective and the social bent of mind enabled him in furthering his dream of shaping young minds through quality education. Shri K. J. Somaiya laid the foundation for Somaiya Vidyavihar Trust in 1959, which then established the K. J. Somaiya College of Engineering (KJSCE) in 1983.

In pursuit of commitment towards Quality in Technical Education, KJSCE had its first accreditation by the National Board of Accreditation (NBA), New Delhi way back in 1998 which subsequently was then reaccredited a couple of more times. During the last accreditation held in 2013, all the 5 UG programmes were provisionally accredited for 2 years (upto 2015). The College is now accredited by the National Assessment & Accreditation Council (NAAC) and awarded with 'A' grade from May 2017.

Till today, KJSCE is the only Self-financed (Private) Engineering College affiliated to University of Mumbai which has been conferred Autonomous Status in the year academic 2014-15. Students admitted in this year are governed by the new scheme / curriculums designed under autonomy and are eligible to get a B. Tech & M. Tech degree after completion of their course of enrolment.

The flexibility in the academic calendar by way of autonomy, however, was made available to all those students who were a part of the College during the academic year 2014-15. This made it possible for them to plan their activities beyond college engagements; to pursue hobbies, interests, explore career options, take up interesting internships etc. which otherwise was lying beyond the ambit of technology education. They now could learn courses which could help them in strengthening their careers, make them globally competent, etc.

As a part of the continuous evaluation in each course, a variety of tools and techniques are now adopted to evaluate understanding and knowledge of a student. Necessary feedback is given to a student by making the evaluation and assessment fully transparent. The students are encouraged to discuss and understand their shortcomings which in turn helps them in becoming professional engineers of tomorrow.

Understanding the fact that lessons in engineering cannot be confined to only classroom teaching, the education in our College has always tried to reach beyond the curriculum. Not only our students are supported to participate in technology driven projects at national as well as international level to achieve a global outlook, entrepreneurial approach through innovative ideas is given a lot of encouragement. A large number of students are inspired for participating in activities which relate to the issues and needs of society. All these efforts of the College work towards making the graduating student a responsible member of society.

Thus, with the backing of a progressive management, requisite infrastructure, committed staff and versatile students, it is not a surprise to see that KJSCE is one of the most sought after colleges in the University of Mumbai.

Dr. Shubha Pandit  
Principal
1. K. J. Somaiya College of Engineering is an institution committed to attain excellence through an ongoing dialogue with industry and benchmarking ourselves with the best amongst peer institutions.

2. Brand Name
   Somaiya is a brand name in higher education

3. Autonomous Status

4. Accreditation
   All under graduate Programmes have been accredited by National Board of Accreditation (NBA) multiple times. All programmes were Provisionally Accredited by NBA up to November 2015. The College is now accredited by the National Assessment & Accreditation Council (NAAC) and awarded with ‘A’ grade from May 2017.

5. Infrastructure
   Latest state-of-art infrastructure in both academic and sports facilities.

6. Transparent Admission Process
   All Admissions are strictly based on merit as entire admission process is done completed in a transparent manner.

7. Strong Alumni
   Strong Alumni base of our college of 33 years and Somaiya Vidyavihar of over 50 years. Somaiya Vidyavihar has produced thousands of successful graduates contributing to various developments taking place all over the world.

8. Scholarships
   Various scholarships based on merit and merit-cum-need are offered to our students from the college, Industries and with the support of faculty, staff and students of the college.

9. Faculty and Staff
   Students’ friendly, experienced, dedicated faculty and staff.

10. Placements
    Almost 100% placement record

11. Academic Autonomy
    Flexibility through courses beyond curriculum, different ways of learning, and examination reforms

12. Library
    Open and online access to library, over 110 National and International Periodicals and several on-line e-journal Database on-line versions

13. Synergy
    Synergy of 35 Institutions from various disciplines

14. Vibrant Campus life
    Vibrant student activities with participation at National and International events.

15. Conducive Environment
    Conducive environment for teaching and learning

16. Secure Campus
    Round the clock security and guarded environment
VISION

K. J. Somaiya College of Engineering envisages to become a World Class Centre of Learning in the field of Engineering Sciences where pursuit of Knowledge is leavened with Human Values of Courage and Compassion to produce Engineers in the service of Humanity.

MISSION

♦ To be leading institution of learning in the field of Engineering Sciences with an activity engendered scholarly ambience, encouraging diversity of thought and expression.

♦ To provide an enabling environment for attaining excellence through an on-going dialogue with industry and benchmarking ourselves with the best amongst peer institutions.
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<td>18. CONTACT INFORMATION</td>
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</table>
“Tamso Ma Jyotirgamaya” so say the Upanishads. Believing in this wholeheartedly was Padmabhushan (Late) Shri Karamshi Jethabhai Somaiya; an entrepreneur, philanthropist and visionary, who established the Somaiya Trust in the year 1959, with a vision to serve the educational needs of society. He was a self-made man, simple and compassionate who dedicated his life to the service of mankind. He was committed to the ideal “What you receive from society, give back multifold”.

As a man of great foresight, he founded the Somaiya Vidyavihar, conveying the message that “Knowledge is Power”. He believed that the buildings of stone and mortar would be temples of learning only when a bond would be woven between the traditions and values of the past and the skills and opportunities of the present and the future.

Located at Vidyavihar, on a sprawling 60-acre campus, the growth of Somaiya Vidyavihar has been phenomenal. It is one of the largest private educational complexes in Mumbai, a major metropolis in India. Over a period of five decades, the educational complex has expanded to become a conglomerate of 35 institutions with strength of about 27000 students and 1500 teaching staff. Catering to the diverse needs and disciplines of study, education ranging from diploma to undergraduate degree programs up to Post-Graduate and Doctoral Programs are offered in various disciplines such as

- Humanities
- Sciences
- Engineering and Technology
- Medicine
- Management
- Ancient Indian Culture and Heritage Studies

The campus throbs with energy, right from the activities of all the pre-scholars to the deliberations of post-graduate students. K.J. Somaiya College of Engineering (KJSCE), one amongst these institutes, thus enjoys the synergy of different sister institutions of the enthralling campus.
With well-defined vision, dedicated leadership, requisite infrastructure, committed staff and versatile students, K.J. Somaiya College of Engineering (KUSCE) is one of the reputed and sought after college in Mumbai city. Since inception in 1983 the College is committed to imparting good quality education to both undergraduate as well as postgraduate students. This was observed and appreciated way back in 1997 when the Government of Maharashtra awarded 'A' grade to the College. The pursuit for excellence continues and is evident from the fact when all UG programs were provisionally accredited for 2 years, by the National Board of Accreditation (NBA) New Delhi (valid up to November 2015). The College is now accredited by the National Assessment & Accreditation Council (NAAC) and awarded with 'A' grade from May 2017 for five years.

Further to it, the University of Mumbai has conferred Autonomous Status to our college from academic year 2014-15 initially, for a period of 5 years after receiving appropriate recommendations from University Grant Commission (UGC) and Government of Maharashtra. In fact, we are very happy & proud to state that our College is the first self-financed Engineering College affiliated to the University of Mumbai to get this Academic Autonomous Status. Accordingly, last year onwards, our college is able to award degrees to the students on behalf of the University of Mumbai.

The education in this institution is subtly leavened by human values. This realization dawns over them when the students leave from here after graduation. They realize that they have not only become engineers, but also have acquired profound human values of which they will always be proud. The college nurtures aspirations of students by mentoring and guiding them through an emphasis on knowledge and practical skills. Thus, the young students get transformed into global engineers who will become future architects of the world.

In a bid to supplement their education, the college also encourages its students to enrol for dual degrees and allows them to pursue two degree programmes simultaneously.

India Today in its survey of India’s Best Engineering colleges for 2016 has ranked K. J. Somaiya College of Engineering at Rank # 24.
DEGREE (UG-Under Graduate) PROGRAMS OFFERED

The College offers 4 year full time Bachelor of Technology (B.Tech.) degree in the following 5 programs with an intake of 120 each:

- Computer Engineering
- Electronics Engineering
- Electronics & Telecommunication Engineering
- Information Technology
- Mechanical Engineering

In addition, there is a provision of Direct Second year Engineering admission (DSE) of the degree program for students holding diploma (Lateral entry admissions). 24 students who have passed diploma in appropriate branch of Engineering are admitted through lateral entry in each of the above mentioned UG programs.

PG (Post Graduate) PROGRAMS OFFERED

Our College also offers 2 year full time Master of Technology (M.Tech.) Programs with an intake of 18 each in:

- Computer Engineering
- Electronics Engineering
- Electronics & Telecommunication Engineering
- Information Technology (Specialization in Information Security)
- Mechanical Engineering (Specialization in CAD/CAM & Robotics)
- Mechanical Engineering (Specialization in Energy Engineering)

RESEARCH PROGRAMMES OFFERED

College is University of Mumbai recognized Research Centre offering Ph.D programme (Technology) in Electronics Engineering and Mechanical Engineering.
QUALIFYING EXAMINATION AND ELIGIBILITY:

Eligibility conditions and requirements for admissions (as per DTE rules):

- **Seat distribution for First year Engineering (F.Y. B. TECH.)**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Category</th>
<th>% of intake capacity</th>
<th>Seats per branch of 120 intake capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Gujarati Linguisitic Minority seats</td>
<td>51.5%</td>
<td>61 per 120 Intake</td>
</tr>
<tr>
<td>2</td>
<td>Institutional Quota (20%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>These 24 seats are divided into two categories</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Institute level seats</td>
<td>15%</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>NRI seats</td>
<td>5%</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>CAP seats</td>
<td>29%</td>
<td>35</td>
</tr>
<tr>
<td>4</td>
<td>PIO/Foreign Nationals/Children of Indian workers in Gulf countries</td>
<td>Over and Above Intake</td>
<td>18 in Mechanical Engineering</td>
</tr>
</tbody>
</table>

- **Seat distribution at Second year Engineering (S.E.)**
  (Direct admission after Diploma)

  i) Gujarati Linguistic Minority seats@  
  13 per branch

  These 13 seats per branch are distributed in proportion to number of applications received by the Institute in the category of Annual pattern and Semester pattern.

  ii) CAP Seats@  
  11 per branch

  These 11 seats per branch are distributed in proportion to number of applications received by the DTE in the category of Annual pattern and Semester pattern.

@ CAP Seats - Seats to be filled through Centralized Admission Process of DTE, Maharashtra
Eligibility conditions and requirements for admissions (as per DTE rules)

- Seat distribution for M. Tech.

<table>
<thead>
<tr>
<th>M. Tech. Specialization</th>
<th>CAP</th>
<th>Gujarati Linguistic Minority</th>
<th>Institute Level</th>
<th>Total Intake</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(29%)</td>
<td>(51%)</td>
<td>(15%)</td>
</tr>
<tr>
<td>Computer Engineering</td>
<td>4</td>
<td>1</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>Electronics Engineering</td>
<td>4</td>
<td>1</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>Electronics &amp; Telecommunication</td>
<td>4</td>
<td>1</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>Engineering with Specialization in CAD/CAM</td>
<td>4</td>
<td>1</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>Mechanical Engineering with Specialization in Energy Engineering</td>
<td>4</td>
<td>1</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>Information Technology with Specialization in Information Security</td>
<td>4</td>
<td>1</td>
<td>9</td>
<td>3</td>
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</tbody>
</table>

ADMISSION TO RESEARCH PROGRAMMES
ELIGIBILITY

The eligibility criteria are governed by the University of Mumbai (ordinances 0.5473, 0.5474 and 0.5476.) A candidate, who satisfies these conditions, is eligible to seek admission and register for Ph.D. programme (Technology) in Electronics Engineering / Mechanical Engineering.

The Management of College has decided to offer a scholarship to GATE QUALIFIED candidates. This scholarship is equivalent to 50% of Tuition Fees of the current academic year. This is an additional scholarship apart from the regular GATE PG scholarship provided by AICTE. It will be provided to TOP 2 GATE Qualified Candidates of each program. It will be continued to such candidates in second year as per the college policy based on the students’ performance.
The College is housed in Two Buildings. The main building, known as Aryabhat, has Ground + Four floors while the new building, known as Bhaskaracharya has Ground + Six floors. The college has an ultra-modern Air Conditioned Auditorium with 450 seating capacity which provides an advantage for the conduction of important academic presentations and student functions. Additionally, every engineering department has two seminar halls one each for B.Tech & M.Tech students. All Seminar Halls and all class rooms are equipped with modern projection facilities. Central and Departmental Libraries, well equipped state-of-art Laboratories along with ample Computing facilities are the pride of this College. Amongst student amenities, an indoor Badminton Hall, Girls common rooms and a well maintained spacious canteen facility caters to needs of all students on college campus. Both the building are friendly to differently abled students.

CENTRAL COMPUTING FACILITIES

- KJSCE has a well-equipped Common Computing Facility (CCF) with 40 computers. Students use this facility for surfing internet for finding information relevant to their branch of study, listening to video lecture, checking results, online fee payments, appearing online test etc.

- Moreover CCF assists the Training and Placement Office cell and Admin department of college for conducting the campus placement and staff recruitment related activities e.g. registration for campus placement, conducting placement tests and interviews. Also this facility comes in handy during the college Admissions for online form submission and uploading the testimonials.
KJSCE COMPUTING INFRASTRUCTURE

- K. J. Somaiya College of Engineering is having 1500+ nos. of Desktops connected through Local Area Network comprising of 140 managed and 4 unmanaged switches.
- Every faculty member is provided with a separate Laptop which is used by him/ her for effective teaching learning process.
- All the desktops are connected to an Internet Bandwidth of 155 Mbps (1:1)
- The KJSCE Local Area Network spans two buildings: Aryabhat and Bhaskaracharya. The subnets of the two buildings are connected through 10 Gbps single mode optical fiber media (10 Gbps fiber media is link aggregated 1:1).
- KJSCE campus is WiFi enabled. WiFi connectivity is made available at all important places e.g. Board rooms, UG-PG seminar halls, library, placement cell and common areas like corridors.
- The WiFi network is deployed using Aruba’s controller based WiFi solution and comprises 50 Access Points connected through Power on Ethernet (PoE) switches to KJSCE’s network.

WORKSHOP

Mechanical Engineering Department of college has well equipped laboratories and infrastructure to support UG and PG students. Workshop is an important part of Mechanical Engineering Department. Spread in the large area it has various facilities like Computer Numerical Control (CNC) machine shop, Welding shop, Carpentry shop, Fitting shop, and Machine shop. All these shops have been established with a state-of-the-art technology. These shops help to impart an upto date and advanced knowledge to the students. The students are well equipped with the skills required to give consistent and best quality performance in their endeavours. The students sharpen their skills with hands on experience under the competent guidance of workshop staff.

Students are trained for computing, modelling skills and experience the shop floor environment to meet the recent needs of industries. The facilities are provided to develop the basic skills of students in handling various tools, understanding manufacturing processes. Students put into practice, their creativity and innovative ideas for model development. The final year students use the workshop facilities for their project work. The excellently equipped machines and equipments in the workshop enable students to sharpen their practical skills.
LANGUAGE LAB
The language Laboratory was established in 2009 and is one of the most useful laboratories of the college. Since, its inception the Laboratory has played an important role in developing relevant modules in the specialized areas such as English Language Teaching and Learning, Developing Proficiency in Basic and Professional skills in English, Spoken English, English for Special Purposes, Technical writing and Research Documentation.
The Laboratory is now aiming at projecting itself as a Centre for Training and Developing Human resource. It introduced two specialized courses in developing Proficiency in Basic English Skills and Professional Communication Skills of the college staff and students.
The Laboratory Is proposing to have its own a Library-cum-Media Centre, an Audio-Visual Room and a Group Discussion room for conducting the specialized courses smoothly.

Activities of the Laboratory:
 a) Courses for the Non-teaching Staff
 b) Courses for the Teaching Staff
 c) Activities for the Students
 d) Activities for the Staff and the Students
COMPUTER ENGINEERING

Department: Computer Engineering

Department Summary
Department of Computer Engineering facilitates students to apply computer science technology principles across a wide variety of fields, for adapting to ever changing multi-disciplinary converging technology. The academic ambience encourages research, development, innovation activities. Leadership and teamwork are induced for imbibing the ethical & professional attitude to enrich society.

Vision
To become a center of excellence in discipline of Computer Engineering for developing technically adept professionals with ethical and leadership qualities in service of society.

Mission
- Provide sound technical foundation in Computer Engineering through comprehensive curriculum and application oriented learning.
- Provide ambience for professional growth and lifelong learning for adapting to challenges in rapidly changing technology.
- Inculcate social and ethical values and leadership qualities.

Thrust Areas
- Information Systems,
- Networking,
- Signal & Image-processing,
- System software & Architecture.

Laboratories
- Devices and Communication
- Object Oriented Analysis and Design
- Computer Programming
- Web Technology
- Database Management System
- Multimedia Systems
- Microprocessors
- System Security
- Project Lab
- PG Computing Facility
- Analysis of Algorithms
- Artificial Intelligence and Robotics
- Computer Communications and Networking
ELECTRONICS ENGINEERING

Department Summary
Electronics is a very broad field that encompasses many subfields including those that deal with electronic devices, Robotics, Signal processing, Embedded systems, Power electronics, etc. Due to the rapid evolution in all the above fields, engineers are required to possess proficiency in both hardware and software components of them. Our courses prepare graduates to access a full range of careers available in technology which has electronics as the core and application of them for the betterment of mankind.

Vision:
To impart excellent quality-education by keeping pace with rapidly changing technologies and to create technical manpower of global standards with ethical and social values.

Mission:
Efforts to impart quality and value based education to
- Raise satisfaction level of all stake-holders
- Create competent professionals
- Provide all possible support to promote research and development activities.

Thrust Areas
- VLSI
- Embedded System
- Control and Automation
- Signal Processing
- Communication Engineering

Laboratories
- Circuits Lab
- Microprocessor
- Basic Communication Lab
- Electrical Engineering Lab
- Signal Processing Lab
- Digital System Design Lab
- Project Lab
- Power Electronics Lab
- Image Processing Lab
- Robotics Lab
- Control & Instrumentation Lab
- VLSI Lab
- PCB Lab
- Research Center
- PG Lab
DEPARTMENT PROFILES

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Department Summary
Electronics & Telecommunication Engineering aims to develop skills and deepen knowledge of the basic concepts and theories in the field of Signal Processing, RF and Microwave communication, Networking, Embedded systems, VLSI etc. It has been instrumental in producing quality engineers of global standards with capabilities of facing new challenges in the Telecommunication field.

Vision:
To become center of excellence for creating competent engineers with evolving technical skills, leadership qualities with human values to pursue excellence in professional field.

Mission:
- Providing quality education to
- Develop technical skills, soft skills and professional ethics to cater the needs of industry.
- Promote research and creativity in Engineering and technology.
- Inculcate awareness towards societal needs and environmental issues.

Thrust Areas
- Signal Processing,
- Microwave and antennas,
- Communication systems,
- Embedded systems
- VLSI

Laboratories
- Integrated Circuits Lab.
- Optical Fiber Communication Lab.
- Antenna Lab.
- Wireless Communication Lab
- Communication Engineering Lab.
- PCB Lab
- Project Lab
- Software Simulation Lab
- Microwave Lab
- Basic Electricity and Electrical Engineering Lab.
- Instrumentation and Control Systems Lab
- Digital Signal Processing Lab.
- Circuits Lab
- Microprocessor Lab.
INFORMATION TECHNOLOGY

Department Summary
Information Technology (IT) is an engineering division, which concentrates on the study of utilizing computers and telecommunications in order to control, gather, store and circulate information. The Department of Information Technology aims at strengthening and preparing students for lifelong learning, Research and successful adaptation of ever changing technology, which helps them to develop an ability to analyze, design and provide novel IT solutions for engineering problems. We also focus on building appropriate professional attitudes, ethics and social concern among students.

Vision
To become a center of excellence for holistic education by preparing world class professionals in the dynamic field of Information Technology.

Mission
Providing quality education to
♦ Develop competent IT professionals with ethical values and enable them in lifelong learning.
♦ Promote conducive ambience for research and creativity.

Laboratories
- Computer Programming
- Embedded System
- Software Engineering
- Modeling & Simulation
- Analog & Digital Communication
- Information Security
- Project
- Multimedia System
- Advanced Database Management System
- Analysis & Design
- Image Processing
- Operating System
MECHANICAL ENGINEERING

Department Summary
Mechanical engineering department imparts the skills and expertise in the areas of design, manufacturing and thermal sciences that are of most sectors of industry. Encourages for research, development and innovation through activities such as ROBOCON, Design and Fabrication of Orion racing Car and Aero modelling.

Vision:
To become a programme of world repute in the field of Mechanical Engineering, known for an ambience conducive to value based multifarious development of students, enabling them face technological challenges for service of the mankind.

Mission:
♦ To impart skills and expertise in design, manufacturing and thermal areas of mechanical engineering that is the backbone of industry, so that the students thrive as successful engineers.
♦ To provide an opportunity to create, interpret, apply and disseminate knowledge to improve the quality of life.

Thrust Areas
- Thermal and Fluids
- Design
- Manufacturing and Allied

Laboratories
- Hydraulic Machinery
- L.C. Engines
- Mechatronics
- Refrigeration & Air conditioning
- Automobile System
- Workshop
- Engineering Mechanics
- Strength Of Materials
- Engineering Metallurgy
- CAD/CAM
- Theory of Machinery
- Fluid Mechanics
- Heat & Mass Transfer
- Mech. Measurements and Metrology
- Computer Graphics
- Renewable Energy
- PG Computer Centre
Department Summary
The Department of Science and Humanities was established with intent to impart the applied Scientific and Humanistic knowledge of cluster subjects such as Applied Physics, Applied Mathematics, Applied Chemistry, Communication Skills and Environmental Studies to the graduate students of all engineering disciplines. The department engages broadly with the study of all these applied courses to provide a sound platform for the budding engineers to pursue their Engineering Programmes successfully. Through its applied courses, the department prepares the students with the innovative thinking, problem solving skills, communication skills, leadership skills, an ability to adapt to changing conditions, and inquisitiveness for lifelong learning.

Laboratories
- Applied Physics
- Applied Chemistry
- Language Laboratory
Located in the Bhaskaracharya building, the college Library aims to cater to the needs of students and faculty members. The Library is kept open from 9:30 a.m. to 9:00 p.m. on all working days. During examinations additional reading facilities are also provided.

**Infrastructure**
- 132 eBooks and 6 Kindle eBook Readers.
- WiFi facility in all sections.
- Separate periodical section for academic research and up-to-date information.
- Subscription to 114 International and National Journals/Periodicals including the online versions.
- Collection of 3450 CDs, 7 E-Journal databases
- GATE Software availability through network
- TURNITIN—licensed Antiplagiarism software available for students / faculty members
- Access to IIT Bombay Central Library
- Access to and British Council Library
- NPTEL Video lectures given by IIT faculty members available on library servers

**Initiatives**
- Library organises User awareness, Orientation and Information Literacy drives for the benefit of new students in the beginning of the academic year.
- The Book Bank Scheme benefits the downtrodden and under privileged students by providing them to borrow books for whole academic year.
- Photocopying machine within the library

**User Friendly access**
- Real time WebOPAC helps users to locate books and other resources from library portal with a facility of self-renewing and reserving books.
- EBSCO Discovery Service provides a unified platform for users to access and search from all the library resources to get single set of results like Google.
- RemoteXs service helps users to access all e-resources remotely.
Limited accommodation is available for boys and girls in two hostels on the campus of Somaiya Vidyavihar. Currently, more than 150 students of our college are availing this facility. Hostel-3 is being constructed which will increase a capacity of 100 seats (60-boys and 40-girls) for KJSCE students.

Hostel - 1

The SIMSR Hostel-2 offering facilities such as attached toilet, 24 hours hot water, Internet facility in each room etc.

Hostel - 2
TUITION AND OTHER FEES
The Adhoc/Interim fees structure is approved by the Competent Authority of Government of Maharashtra. The final fee approved and published by the Competent Authority for that year is the fee payable by all candidates admitted for that academic year.
PLACEMENT CELL

Many reputed Companies from the city and outside have been regularly visiting this College for Campus Recruitment. On an average, about 90% of our graduates receive an offer during their final year. Total 674 jobs offered till 2nd June 2017 for the final year UG/PG students passing in July 2017

IMPORTANT: The eligibility criteria for placement vary for different companies. The placement activity usually happens when students are studying in their Semester VII. The companies prefer students with good academic performance from Semester I to VII and with no backlogs at the time of appearing for interviews. The students are advised to maintain good academic performance throughout for better placement prospects.

Some of Our Recruiters

![List of Companies](image)

Summary of Placements and Job offers for academic year 2016-17*

*Information as of 2nd June 2017
The college being autonomous conducts examination on behalf of University of Mumbai. The college awards B. Tech / M. Tech. Degree on behalf of University of Mumbai.

1. Grading System followed for evaluation is credit based grading system with absolute grades.
2. Credits are said to be earned when a student passes a course. Fractional credits earned are rounded off by truncating it to lower integer.
3. There are a minimum number of credits required for completing a programme of study. (Exact number for a branch/programme is mentioned in the programme structure).
4. Apart from earning the credits in his/her core programme a student has to enroll for one exposure courses in first year of his/her UG programme.
5. The student has to complete three audit courses from his/her semester III to semester VIII of UG programme.
6. The students are also expected to complete one interdisciplinary course in semester VI of UG programme.
7. All such courses will appear in the grade card of that semester if he/she completes the respective course successfully.

1. Letter Grade and Grade Point Allocation
   In every course, based on the performance in assessments, the student is awarded a letter grade as per the grade table. These letter grades not only indicate a qualitative assessment of the student’s performance but also carry a quantitative (numeric) equivalent called the Grade Point. A table showing the letter grades and their equivalent grade point applicable for Undergraduate programme is available on Intranet server.

2. Regular Examination
   Any student keeping terms for a particular semester and subsequently appearing for end semester examination conducted by college, this examination is treated as regular examination for that student. Regular Examination for Odd term is held in November - December and for Even term is held in April – May every year.

3. Backlog Examination
   Any student who does not pass any course(s) or remains absent in regular examination when he/she appears for such course(s) in subsequent semester conducted by college such examination is treated as backlog examination for that student.

4. Course Evaluation Scheme
   Theory/On screen Examination
   1. The evaluation of a student for each course is based on his/her performance in End Semester Examination (ESE) and Continuous Assessment (CA), taken together. The CA component consists of Test-1 (T-1), Test-2 (T-2) and IA (Internal Assessment).
   2. IA (Internal Assessment) consists of assignments, tutorials, practical, viva-voce, quizzes, seminars etc. conducted by the course faculty during semester. The mode of IA (Internal Assessment) is decided and announced by the Course faculty at the beginning of the course.
Refer Table 1 and Table 2 for the weightage of End Semester Examination (ESE) and Continuous Assessment (CA):

For UG: SY, TY and LY

<table>
<thead>
<tr>
<th>Course</th>
<th>ESE*</th>
<th>CA (40% Weightage)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>T-1</td>
<td>T-2</td>
</tr>
<tr>
<td>60%</td>
<td>15%</td>
<td>15%</td>
<td>10%</td>
</tr>
</tbody>
</table>

Table 1: Weightage of Evaluation for SY, TY and LY

For UG: FY

<table>
<thead>
<tr>
<th>Course</th>
<th>ESE*</th>
<th>CA (40% Weightage)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>T-1</td>
<td>T-2</td>
</tr>
<tr>
<td>60%</td>
<td>20%</td>
<td>20%</td>
<td>0%</td>
</tr>
</tbody>
</table>

Table 2: Weightage of Evaluation for FY

*The End Semester Examination (ESE) is conducted for 100 marks and scaled down to 60% of marks obtained; fraction therefore is rounded to nearest integer. (For Example, 23.2 will be rounded to 23 and 23.6 will be rounded to 24.)

5. Grades awarded for Regular examination and for Backlog Examination

In CBGS system, the Letter Grades are awarded to the total marks obtained by student for each course including Theory / OR/ PR / TW.

For Backlog Examination, Student has Grade Penalty.

There are two separate grade tables one for regular examination and other for backlog Examination.

6. Semester Grade Performance Index (SGPI)

\[
SGPI = \frac{\sum_{i=1}^{n} C_i \cdot G_i}{\sum_{i=1}^{n} C_i}
\]

\(C_i\) = Credit assigned to \(i^{th}\) course and \(G_i\) = Grade Points earned for \(i^{th}\) course of that semester

7. Yearly Performance Index (YPI) for an academic year

\[
YPI = \frac{\sum_{i=1}^{n} C_i \cdot G_i \text{ (of odd semester)} + \sum_{i=1}^{n} C_i \cdot G_i \text{ (of even semester)}}{\sum_{i=1}^{n} C_i \text{ of odd semester} + \sum_{i=1}^{n} C_i \text{ of even semester}}
\]

Weighted YPI will lead to Cumulative Grade Performance Index (CGPI).

8. Grade Improvement and Performance Improvement

Under this scheme student can re-appear for any course or for entire semester which he/she has already passed in order to improve grades obtained by him/her in respective course(s). However facility of grade improvement and performance improvement is at present available only in final year of B. Tech./ B.E. As and when this facility is made available in FY to TY it will be notified by separate notice. In both these cases grade table of regular examination will be applicable.
9. Repeat Examination
Repeater Examination for benefit of students who fail only at B.Tech Semester VIII and M.Tech Sem II is held within a month of the results declaration of Regular examination. By appearing for this repeat examination the students need not wait for next backlog examination and thereby complete their programme earlier.

10. Open Day
After the assessment, all answer books of ESE (End Semester Examination) are decoded and demasked and the mark list is prepared. These assessed answer books of ESE are shown to students in class on open day and all types of queries of students are settled by proper procedure.

11. Eligibility Criteria for Admission to Subsequent Higher Year
Minimum 60% credits of the total credits should be earned to become eligible for admission to subsequent year.

Eligibility Criteria for Admission to Second Year (SY)
Minimum 60% credits of the total credits of First Year should be earned to become eligible for taking admission to Second Year.

Eligibility Criteria for Admission to Third Year (TY)
All credits of First Year should be earned and
Minimum 60% credits of the total credits of Second Year should be earned to become eligible for taking admission to Third Year.

Eligibility Criteria for Final/Last Year (LY)
All credits of First Year should be earned and
All credits of Second Year should be earned and
Minimum 60% credits of the total credits of Third Year should be earned to become eligible for taking admission to Final Year

Eligibility Criteria for admission to even semester
Odd term / semester of respective year (FY/SY/TY/LY) wherein student has enrolled must have been granted i.e. Semester 1,3,5 & 7 must have been granted to become eligible for enrolment to even term / semesters 2,4,6 & 8 respectively.
KJSCE Scholarship
College offers Need-cum-Merit Scholarship in the form of 50% tuition fee waiver to Five students whose annual family income is less than Rs 4.5 Lacks, Three students from Electronics Engg and Two students from Information Technology who are admitted in the round 1 of any of the CAP/ ILS/ Minority rounds will be eligible to apply. These students will continue to get this benefit throughout the 4 years of their degree. Application Form is available in college office.

PUSH- KJSCE
(For financially weak students)
There are many students who are financially weak and unable to pay their regular college fees. The faculty, staff members and students of college have initiated a forum named People United for Student’s Help, K. J. Somaiya College of Engineering (PUSH-KJSCE). This forum is intended to offer a helping hand to these well-deserved and needy students.

JSW foundation scholarship
The Foundation supports meritorious students who need financial support through scholarships so that they can pursue their academic goals.

MOHAN T ADVANI Centennial Scholarship by Blue Star
The objective of this scholarship is to support economically challenged but academically deserving, under graduate students to pursue a professional degree of their liking and capability and prepare them in a holistic manner for future work life. These are available to students who have opted for Mechanical / Electronics Engineering. The scholarship is provided to meet part of the tuition fees.

Narotam Sekhsaria Foundation Scholarship programmer for Undergraduate Studies in Engineering
- Excellence awards and Certificates of Merit
- Merit-cum-means scholarship up to maximum Rs. 50,000/-

J. R. D. Tata Scholarships
Scholarships to meritorious students to pursue higher and professional studies in our college

Khetawat Scholarship
Scholarship sponsored by our Alumnus Mr. Swadesh Khetawat
STUDENT ACTIVITIES

Co-Curricular and Professional Societies

**COMMITTEE : KJSCE Students Council**

KJSCE Students Council is the highest student body of KJSCE which represents the students of the college. This team of 29 members works throughout the year for organizing events like Freshers, Big Somaiya Debate, Abhiyantriki, Skream, Symphony, KJSCE Shield, Garba Eve, BE farewell etc. The body also works for ‘Parvah’- the social initiative of KJSCE.

Social Networking Pages of Students Council:
Facebook: https://www.facebook.com/kjscestudentscouncil/

**Abhiyantriki**

This is a forum for students to be innovative in Paper Presentation, Robotics Competition, Gaming Arenas, Project Competitions, debates, project exhibitions, technical exhibition by government organisations, etc. Every year around 50 engineering colleges and 7,000 students visit the festival.
Visit: www.kjsce-abhiyantriki.org

**Kshitij**

Kshitij is an annual magazine of K. J. Somaiya College of Engineering. This magazine is an attempt to provide the students a platform to reveal their ideas and hidden talents. The students’ choice of articles ranges from a very scholarly exploration of ideas as per the student’s intellectual curiosity, to a few techniques for aiding personality development and general issues.

**Sports**

Apart from annual sports events organized for students and staff, we also provide facilities such as indoor badminton court, table tennis, carom boards, and chess-boards. Well-equipped gymkhana and playgrounds on campus encourage our students to be better sportspersons.

**Skream**

Skream, the national level sports festival of KJSCE, has gained its popularity in all most of the colleges across India. Every year, the students organise 13 different sports competitions along with some workshops. The festival receives the overall participation of about 3000 students from all over India. The main aim is to promote the importance of sports in students life.
Visit: www.kjsce-skream.org

**Symphony**

Symphony, the inter-collegiate cultural festival of KJSCE, has gained its name and popularity among Engineering and Management institutes under Mumbai University for the last decade. Every year about 75 institutes and 10000 students visit the programme. The main aim is to promote, encourage and exhibit the talents of the students on a common platform and create interest in the classical, vocal and instrumental music.
Visit: www.kjsce-symphony.org

**Parvaah**

Parvaah the social initiative of KJSCE, works for various causes like Womens’ Safety, Children, Beautification of Ghatkopar station and support of LGBT people. Every year the Students’ Council takes up a new initiative and works towards the initiative for the betterment of the society.
CSI
A Computer Society of India Students’ chapter functions in the college. Through this chapter various activities such as conferences, conventions, and lectures are organised. The regular training workshops by IT professionals for skill upgradation are also organised. A CSI students’ council is formed from the student members every year. They work under the guidance of teachers. There are a number of technical as well as non-technical activities conducted by it, which includes paper presentation, project competitions, technical talks on the latest trends in industry, etc. The students participate and organize events.

EESA
The Electronics Engineers Students’ Association is formed in the college. The association promotes activities such as paper presentations, quizzes, seminars, etc. It arranges for preparatory guidance lectures and also conducts mock tests and group discussions for CAT, GRE etc.

IEEE
A campus chapter of IEEE functions in the college. The Institute of Electrical and Electronics Engineers is the world’s largest technical professional society. It promotes the development and application of electrotechnology and allied sciences for the benefit of humanity, the advancement of the profession, and the well-being of its members. The IEEE fosters the development of standards that often become national and international standards. The council of the K. J. Somalya chapter of IEEE is committed to opening high quality, informative and technologically enriching avenues for expanding the members’ horizons by organizing visits to cutting edge industries, seminars, competitions and forums.

IETE
The Institute of Electronics & Telecommunication Engineers- Institute Students’ Forum, (IETE – KJSISF), is existing since 2001, is a student organization established with an aim to provide students with opportunities for all round development and make them “ENGINEERS” in the real sense of the term.

ISTE
The ISTE Student Chapter (MH 60) – The Indian Society for Technical Education Chapter
MH-60 is the largest association in college as all the students of all departments are members of this chapter. One of the major objectives of the ISTE is to assist and to contribute to the production and development of top quality professional engineers and technicians needed by the industries and other organisations.

The council of KJSCE chapter organizes various technical events for overall development of students throughout year including ‘Prakalpa’ a state level project completion.

MESA
The Mechanical Engineering Students’ Association, a student organization, was founded in the year 2000. It is an organization which conducts technical events, seminars and industrial visits all-round the year, making aspiring mechanical engineers more competent, active and perceptive and also gives them an insight into the field of study, research and development.

G-Force, the annual tech fest held by MESA serves as an opportunity for students to showcase their talents and technical skills.

SAE
The Society of Automotive Engineers is a non-profit educational and scientific organization. This society is concerned with the development of reference standards, technical data and advancement of technology for the field of mobility vehicle systems ranging from a two Wheeler motorcycle to the rocket engine propelled space crafts and is a widely accepted standards Institution in the transportation and mechanical engineering field.

SAE-KJSCE is a collegiate chapter of this parent organization, started in our college. Since its establishment in our college, the club is very well received by the college students from KJSCE as well as by other college students. It presently has a member base of around 300 members who actively participate in all the aspects of organizing various student centric programmes. The club has been very instrumental in developing student–industry relationships; with these supporters further helping us in developing our student projects and organizing better activities. By organizing events like engine workshops, aeromodelling workshops, seminars on learning various CAD softwares and Industrial visits to automotive manufacturers like TATA, Mahindra, etc. Our club has instilled and imbied in our club members a culture to seek knowledge and accomplish. Strictly following our Club’s motto we... “Strive, Achieve, Excel
STUDENT ACTIVITIES
Entrepreneurship Cell and Alumni

BloomBox is the entrepreneurship cell at K. J. Somaiya College of Engineering. We believe that engineers harbour a latent potential to be the employment generators of tomorrow, pioneering technological and economic growth of the country.

BloomBox is intended as a platform to motivate and educate students about entrepreneurship and encourage them to flesh out their ideas in business terms and form global enterprises that combine technology, vision and business acumen. Our aim is to channelize our efforts towards spreading knowledge and inculcating enthusiasm amongst the students by altering their perspective of business in a manner that they shall cherish and shall remain etched in their memory.

Bloombox hosts a gamut of activities every year which challenge the brightest of minds to push their capacity to ideate, drive their hunger to innovate and challenge their potential to create like never before. BloomBox is all set to make students tingle their grey cells and touch new horizons of ingenuity and innovation.

❖ ALUMNI
Association of Somaiya Engineering College Alumni [ASECA]

“We strive to engage all our alumni for life, build a culture, to enhance their business ties and networks among the KJSCE family. We are working on the goals of Building a connect, Setting up process and Showing distinct values”

Reconnect... Revive... Celebrate...

Alumni Cell

Objectives
- To stay connected, maintain productive and mutual relationship with our esteemed Alumni using all available online and offline means extensively.
- To build a bridge of communication for the alumni to interact and connect with the students to mentor them about career and life.
- To build avenues for the alumni to utilize the resources of our institution.
- To act as a facilitator between alumni and the institution for mutual benefits.
- To provide a common platform for all KJSCE Alumni world-wide.
- To promote interaction between the KJSCE college and its Global Alumni, and promote the interest of the current, and future students of the college.
- To encourage establishment of similar national level KJSCE Alumni Chapters within, and outside India.

Committee
- Student body
- Alumni in-charges and advisors
- Faculty representatives

Social Networking Pages of Alumni Cell:-
Facebook: - https://www.facebook.com/kjscealumni
LinkedIn: - https://www.linkedin.com/profile/view?id=441755784
Instagram: - http://instagram.com/kjsce_alumni_cell
BENEFITS OF AUTONOMY

Academic autonomy offers a lot of freedom & flexibility in academics as well as conduction of examinations. Following are few of the characteristic features that the college has been actively engaged since becoming autonomous.

- Academic calendar of entire year including details of individual semester are available to students in advance before commencement of any semester. This calendar includes starting and ending date of the term, details of various curricular/ co-curricular/ extra-curricular activities, schedule of examination including internal tests and end semester examination, results, vacation period etc. As a result, students are able to plan their activities beyond college engagements.
- Exclusion courses at First year level
- Inclusion of industry oriented courses as part of curriculum
- Enrollment for minimum three audit courses in the areas of interest of a student along with compulsory credit courses of programme for which the student has enrolled. These areas may be any of the following and could be extended further if need be.
  - Languages such as Sanskrit, German, Japanese, French, Spanish, Italian
  - Bhagvad Gita, Yoga
  - Sports like Athletics, Squash, Tennis, Football, Badminton, Kalaripayattu, Taekwondo
  - Dance, Music, Drama, Indian Classical Music in Instrumental or Vocal
  - Art such as sketching, painting
  - Finance and Accounting
- Enrollment to one compulsory interdisciplinary credit course from a list of courses floated by individual departments other than his / her parent department. Experts from Industry or academia will be conducting these courses.
- Continuous evaluation of students throughout the semester with different evaluating tools as deemed fit by the teacher. Passing a course based on cumulative performance in Internal as well as End Semester Examination (ESE). Eligibility criterion for next academic year based on % of credits earned rather than number of heads of passing.
- Transparency in examination system, wherein students are shown their answer papers, both for their Internal tests as well as their ESE before the declaration of results. Knowing the answer key to the question paper, students have opportunity to self-assess their answer papers. This system helps in bringing uniformity in evaluation, building confidence in the assessment of papers and also eliminates the need of paying for photocopy or reassessment of answer paper resulting in delay in declaration of results.
- Provision for a Change of Branch after successful completion of first year; subject to the availability of a seat in the branch sought. The activity is conducted based on the merit in the first year examination for those students who have applied for a change of branch. The students admitted in NRI/ PIO/ CIWGC / TFWS / GOI are not eligible to seek such branch transfer.
On confirmation of admission, the student will be governed by the Rules and Regulations of Discipline and Conduct of the Institution, University of Mumbai and as prescribed & applicable by competent authority from time to time.

Notwithstanding anything contained in the Rules, if the state Government takes any policy decision pertaining to FY/SY admission, then the same shall be brought into effect at that point of time as per the directives from the government from time to time.

Students while studying in this college, if found indulging in anti-national activities contrary to the provisions of Acts and Laws enforced by government or in any activity contrary to rules of discipline will be liable to be expelled from the college without any notice by the Principal of the College.

1) If a student is found indulging in activities, or acts or commission or omission which amount to an offence under Indian Penal Code or under any act or Statute or any other act or omission which amounts to breach of discipline, the student will be liable for disciplinary action and may be punished with fine or any other punishment including expulsion from the college.

2) If any of the statement made in application form or any information supplied by the candidate in connection with his/her admission is later on, at any time, found to be false or incorrect, his/her admission will be cancelled, fees forfeited and he/she be expelled from the College by the Director / Principal. An appeal against the order of expulsion, however, may be preferred within 7 days to the Director of Technical Education. Maharashtra State, Mumbai, whose decision in such cases will be final.

As per the guidelines of AICTE we have appointed complaint redressal officer. As per the order passed by the Supreme Court in Vishakha judgment, in order to prevent eve teasing of female students, the college has appointed women complaint redressal committee. Names of committee members are available on college website.

**ACTION AGAINST RAGGING**

Maharashtra Prohibition of Ragging Act 1999 which is in effect from May 15, 1999 has the following provisions for Action against Ragging:

1) Ragging within or outside any educational institution is prohibited.

2) Whosoever directly or indirectly commits, participates in, abets or propagates ragging within or outside any education institution shall on conviction be punished with imprisonment for a term up to 2 years and / or penalty which may extend to 10,000/-

3) Any student convicted of an offence of ragging shall be dismissed from the educational institution and such a student shall not be admitted in any other educational institution for a period of five years from the date of order of such dismissal.
Discipline - General Instructions

Grievance Redressal Committee
The Grievance Cell has been set up to help Students to record and solve their grievances in matters directly affecting them, either individually or as a group. The committee consists of a faculty representative from each department. It is headed by a Convener to receive and handle all student grievances.

Women Development Cell
There is a Women Development Cell (WDC-KJSE) to conduct various activities to create awareness about Gender Equality and Gender sensitization. The cell also conducts activities for Women Empowerment. The cell is headed by a convener to coordinate all activities throughout the year.

An Internal Complaint Committee (ICC) constituted under the powers conferred under the section 4 of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and redressal) Act, 2013. ICC provides mechanism to redress the complaints of sexual harassment of women at workplace. A presiding officer is appointed to manage issues of the Internal Complaint Committee.

TRAVEL CONCESSION
Railway travel concession is provided to all the students travelling on Mumbai Suburban section of Central Railway and Western Railway as per the rules of Indian Railway to and fro from their place of residence.
ALUMNI

Omkar Rajadhyaksha 2005 Batch, IT

Those four years were one of the fantastic years of my life so far. The professors and staff were very supporting and helpful in every way, academic & otherwise. Symphony & Abhyantriki are two big events on the engineering college circuit and I enjoyed them all those four years.

Kunal Shah 2007 Batch, IT

College professors and teachers are thoroughly equipped with all the latest knowledge in their respective subjects. The college is very strict when it comes to the discipline part. The college has a very good infrastructure with state-of-art class rooms, well-equipped libraries and modern laboratories. It has all the modern amenities required which a student is looking for in a college today. The college canteen is very hygienic and the management makes sure that it is kept clean and tidy which always gives a healthy outlook. The college has its own huge hostel so that students joining from distant places can come and use the hostel facility which gives a homely feeling at a very moderate rate.

Ishwari Vakharia 2008 Batch, Computer Engg.

College life was excellent. These were our golden days in true sense. We learned a lot in the four years of engineering. The proctor system is really good. The best time of the year was during Symphony and Abhyantriki, this is the festival who got all us friends together. It was lot of fun working for symphony. Enjoying the 3 day festival with friends is a total must-have for all.

INDUSTRY

"Your Institution stands out by producing graduates who can analyse, Implement and Manage well"

Dr. Vinod Surana
Co-Chairman
Assocham Tamil Nadu and Southen Region Development Council.

RECRUITERS

- Name of the company: RoopTelsonic Ultrasonic Ltd
  Type of Industry: Manufacturing
  Contact Person: Ms. Hetal Sanghvi
  Rating of College on a scale of 1 to 10: (1-lowest, 10-highest): 6

- Name of the company: Perkin Elmer India Pvt. Ltd.
  Type of Industry: Healthcare
  Contact Person: Ms. Dhvani Naker
  Rating of College on a scale of 1 to 10: (1-lowest, 10-highest): 7
RECRUITERS

- Name of the company: SMG Convonix
  Type of Industry: Digital Marketing
  Contact Person: Ms. Anuja Donde
  Rating of College on a scale of 1 to 10 (1-lowest, 10-highest): 8

- Name of the company: Morgan Stanley Advantage Services
  Type of Industry: IT – Financial Services
  Contact Person: Mr Kumarpal Sheth
  Rating of College on a scale of 1 to 10 (1-lowest, 10-highest): 6

- Name of the company: Tech Mahindra
  Type of Industry: IT
  Contact Person: Mr Ravi Soni
  Rating of College on a scale of 1 to 10 (1-lowest, 10-highest): 8

- Name of the company: Infosys Limited
  Type of Industry: IT
  Contact Person: Ms Niharika Singh
  Rating of College on a scale of 1 to 10 (1-lowest, 10-highest): 9

PARENTS / GUARDIANS

- The college has very good facilities and one of the best colleges in Mumbai.
- The admission process is transparent and very impressive.
- Facilities of the college are very good; India needs such institutes which give birth to good citizen who can help in development of country.

Congratulations to Team DIWAM !!!

Our College team DIWAM has emerged as WINNERS of Smart India Hackathon 2017 in the Department of Science & Technology. They have also received a cash prize of One Lakh rupees. Smart India Hackathon 2017 is an event organized by AICTE for the students and faculty across India. This is one of the biggest Hackathon and gives Engineering College students an opportunity to be part of India’s Digital Revolution.