



Mandatory Disclosure

1. Name of the Institution : K J Somaiya Institute of engineering and Information

Technology

Address : Ayurvihar campus, Near Eastern Express Highway,
Evarard Nagar, Sion, Mumbai, 400022.

Mail ID : principal.tech@somaiya.edu

DTE Code : EN 3209

AICTE Permanent ID :1-11306504

Contact Number : **Landline- 022-24061404**

Mobile - 9820555761

2. Name of the Trust : K. J. Somaiya Vidyavihar Trust

Trustees Name : Shri Samir S Somaiya (Chairman, SVV)

Smt. Leelaben M. Kotak

Smt. Savitriben H Daiya

Smt. Divyaben C Mirani

Smt. Jankiben B Thakkar

Smt. Mayadevi S Somaiya

Smt. Amrita S Somaiya

Trust Address : Somaiya Bhavan, 45-47, M. G. Road, Flora Fountain,
Mumbai-400001.

Contact No : 022048272

Mail ID : samir@somaiya.edu (Chairman, SVV)

3. Name and Address of the Principal:

Name of Principal : Dr. Suresh K. Ukarande

Address : K. J. Somaiya Institute of Engineering and Information
Technology, Everard Nagar, Eastern Express Highway,
Sion, Mumbai – 400 022.

E-Mail : principal.tech@somaiya.edu

Telephone : 022-24061401

Mobile : 9820555761

4. Name of the affiliating University: University of Mumbai.**5. NBA Accreditation status:**

1	Name of Program/ Courses Accredited	From the Academic Year 2018-19 to 2020-21 i.e. for three years	<ul style="list-style-type: none"> • Computer Engineering • Electronics and Telecommunication Engineering • Electronics Engineering
		Reaccredited From the Academic Year 2021-22 till 30 th June 2022	<ul style="list-style-type: none"> • Computer Engineering • Electronics and Telecommunication Engineering
2	Applied for Accreditation		<ul style="list-style-type: none"> • Information Technology
	A. Applied but Visit not happened		Applied on 5 th April 2021
	B. Visit happened but result awaited		NA
3	Name of programs / courses Not Applied		Artificial Intelligence & Data Science (Not eligible to apply as course started newly in the A.Y 2019-20)

6. NAAC Accreditation status:

1	Accredited	Accredited with "A" grade and 3.21 CGPA valid up to 31 st December 2026
2	Applied for Accreditation	NA
	A. Applied but Visit not happened	--
	B. Visit happened but result awaited	--
3	Not Applied	NA

7. Governance:➤ **Members of the Board and their brief background**

Sr.No	Nature	Category
1	As per the constitution or bye laws, with the Chairman or President/Director as the chairperson (5 Members)	Management Trust or management
		1 Shri Samir Somaiya, Chairman, nominated by registered society.
		2 Lt. General Jagbir Sing Hon. Secretary, Somaiya Vidyavihar trust,
		3 Prof. Rajshekharan Pillai Provost, Somaiya Vidyavihar trust & Vice Chancellor, Somaiya University.
		4 Dr. Larry Walker Professor, Biological & Environmental Engineering, Cornell Univ., Ithaca, New York, Presently Adjunct Professor, Michigan State University, USA
5 Dr. V. N. Gupchup Retired Principal, VJTI, Former Pro-Vice Chancellor, University of Mumbai. Former first		

			Chairman of National Board of Accreditation, India.
2	Nominated by the Principal based on seniority by rotation (2 Members)	Teachers of the College	
		6	Dr. Sunita Patil, Vice Principal
		7	Dr. Namrata Ansari, Dean Academics
3	Nominated by the management (1 Member)	Educationist or industrialist	
		8	Mr. Abhijit Majumdar PWC, Technology Consulting partner, Industrialist,
4	Nominated by the UGC (1 Member)	UGC Nominee	
		9	Prof. Pratosh Bansal Dept. of Information Technology Institute of Engineering and Technology, Indore
5	Academician not below the rank of professor or State Government official of Directorate of Higher Education /State Council of Higher Education (1 Member)	State Government nominee	
		10	Shri Pramod Naik Jt. Director Technical Education Maharashtra
6	Nominated by the University (1 Member)	University Nominee	
		11	Dr. S. M. Khot, Principal Fr. Conceicao Rodrigues Inst. of Tech. Vashi.
7	Ex-Officio 1 Member	Principal of College	
		12	Dr. S. K. Ukarande, Principal, KJSIEIT

➤ **Members of Academic Advisory Body**

University guidelines	Designation in Board		Professional Address & Designation	Name
Principal	1	Chairman	Principal	Dr. S. K. Ukarande
Vice Principal	2	Member Secretary	Vice Principal, KJSIEIT	Dr. Sunita Patil
All Head of the Departments of the Institute	3	Member	Head, Department of Electronics & Telecom. Engineering, KJSIEIT	Dr. Jayashree Khanapuri
	4	Member	Head, Department of Electronics Engineering. KJSIEIT	Dr. Milind U. Nemade
	5	Member	Head, Department of Computer Engineering, KJSIEIT	Dr. Sarita Ambarekar
	6	Member	Head, Department of Information Technology, KJSIEIT	Dr. Radhika Kotecha
	7	Member	Head, Department of Artificial Intelligence & Data Science	Dr. Milind U. Nemade
	8	Member	Head, Basic Sciences & Humanities, KJSIEIT	Dr. Harsha Mishra

Four Teachers Representing different levels of teaching staff by rotation on the basis of seniority to be nominated by the Principal	9	Member	Department of Electronics & Telecom. Engineering	Dr. Namrata Ansari
	10	Member	Department of Information Technology	Dr. H. K. Chavan
	11	Member	Department of Basic Science and Humanities	Dr. Rajesh Meshram
	12	Member	Department of Computer Engineering	Mrs. Jyoti Wadmare
Four professional Experts representing areas such as Industry, Engineering Medicine etc. to be nominated by the Governing body	13	Member	Associate Director (R&D), CDAC Mumbai,	Dr. Sasikumar Mukundan
	14	Member	Professor, Computer Science & Engineering Dept. IIT. Bombay,	Dr. Kavi Arya
	15	Member	Dept. of Electrical Engineering, IIT Bombay,	Dr. Shabbir Merchant
	16	Member	Chairman, Head, R&D, AGV Systems Pvt. Ltd.	D. Kushal Tuckley
	17	Member	Product Strategy Head, Tech Mahindra, Pune	Ms. Kanchan Bhonde
Three University Nominees	18	Member	Deputy Director and Professor in Computer Engineering, VJTI, Matunga (E)	Dr. Sunil Bhirud
	19	Member	Dean, Research Development & Consultancy VJTI, Matunga (E)	Dr. Faruk Kazi
	20	Member	Thakur College of Engineering and Technology, Kandivli (E)	Dr. Deven N. Shah

➤ **Frequency of the Board Meeting and Academic Advisory Body**
Twice in an Academic Year

➤ **Organizational chart and processes**

[\(Annexure 1\)](#)

➤ **Nature and Extent of involvement of Faculty and students in academic**

Affairs / improvements:

- The Students' Council is a statutory body mentioned in Maharashtra public

university act 2016. Our council is very active and conducts various activities under them ranging from cultural to sports, and academic to social activities.

- The Institute organizes various activities for faculty, students and staff for the development and enhancement their knowledge in recent technologies under various professional bodies like CSI, IET, IETE, IEEE, ISTE and IEI in addition to being an Academic Affiliate Partner of UK based professional organization “The Institution of Engineering and Technology (IET, India)”.
- The annual Technical festival Renaissance is organized by combined efforts of all these technical committees under which various technical events and seminars are conduct.
- There are 7 national and international professional bodies, students committees, cells, clubs as per the interest areas of students and each body has a counselor or coordinator.
- There were more than 70 to 100 Technical Events organized every year in different labs classrooms coordinated by faculty In- charges and Student Coordinators. These technical committees conduct various seminars on topics like Cyber Security, Robotics, Raspberry Pi and Android development which is of immense importance these days.
- The technical events include technical treasure hunt, web-based games, different coding competitions, Hackathons, Code Blocks, Code and Crackers, Robo-Soccer and so on. The student representative of the Institute are also invited for DAB (Department Advisory Board) and DQC (Department Quality Circle) meetings and to represent the views and opinions of the student fraternity of our Institute in IQAC meetings.
- Apart from these, it is also made sure that not only the students of the Council or the committees but a the students of the Institute do well in the academic front. Their overall holistic development and preparing them for their future endeavors is the main goal of our Institute.

➤ **Mechanism/ Norms and Procedure for good Governance**

For Better Governance of the Institute, to meet the guidelines of competent authority there are following committees and their functions. With the help of these functions and powers, all the below mentioned statutory bodies helps to run the Institute with Good governance.

1. Governig Body

- Guide the college while fulfilling the objectives for which the college has been granted autonomous status.
- Institute scholarships, fellowships, studentships, medals, prizes and certificates on the recommendations of the Academic Council.
- Approve new programs of study leading to degrees and /or diplomas
- All recruitments of Teaching Faculty/Principal shall be made by the Governing Body/state government as applicable in accordance with the policies laid down by the UGC and State Government from time to time.
- To approve annual budget of the college before submitting the same at the UGC.
- Perform such other functions and institute committees, as may be necessary and deemed fit for the proper development of the college

2. Academic Council

- Scrutinize and approve the proposals with or without modification of the Boards of Studies with regard to courses of study, academic regulations, curricula, syllabi and modifications thereof, instructional and evaluation arrangements, methods, procedures relevant thereto etc., provided that where the Academic Council differs on any proposal, it shall have the right to return the matter for reconsideration to the Board of Studies concerned or reject it, after giving reasons to do so.
- Make regulations regarding the admission of students to different programs of study in the college keeping in view the policy of the Government.
- Make regulations for sports, extra-curricular activities, and proper maintenance and functioning of the playgrounds and hostels.
- Recommend to the Governing Body proposals for institution of new programs of study.
- Recommend to the Governing Body institution of scholarships, studentships, fellowships, prizes and medals, and to frame regulations for the award of the same.
- Advise the Governing Body on suggestions(s) pertaining to academic affairs made by it.
- Perform such other functions as may be assigned by the Governing Body.

3. Board of studies of all departments

- Prepare syllabi for various courses keeping in view the objectives of the college, interest of the stakeholders and national requirement for consideration and approval of the Academic Council;
- Suggest methodologies for innovative teaching and evaluation techniques;
- Suggest panel of names to the Academic Council for appointment of examiners; and
- Coordinate research, teaching, extension and other academic activities in the department/college.

4 Finance committee

- Budget estimates relating to the grant received/receivable from UGC, and income from fees, etc. collected for the activities to undertake the scheme of autonomy; and
- Audited accounts for the above.

➤ **Student Feedback on Institutional Governance/ Faculty performance**

<https://kjsieit.somaiya.edu.in/en/students-feedback>

➤ **Grievance Redressal Mechanism for Faculty, staff and students**

Mechanism for Redressal of Grievances of Students and Staff

- The students are the main stakeholders in any institution imparting education, and it's our endeavor to make all efforts to ensure transparency in all the activities at different stages.
- The Internal grievance cell convenes meetings periodically and takes steps to redress the grievances if any of students and staff.

• **Procedure for Redressal of Grievances**

- An applicant shall submit the application of grievance or appeal to member of the **Internal Grievance / Complaint Cell** through the Head of Department. After verifying the facts, committee will try to redress the grievance within a reasonable time. If the applicant is not satisfied with the solution of the Committee, then the student can go to University level Redressal Grievance Cell.

While dealing with the complaint the committee at all levels will hear the complainant of the concerned people. While solving any Grievance at any level, the relevant provisions of Act/Regulations are kept in mind.

Functions:

- The cases will be attended promptly on receipt of written grievances from the applicant.
- The cell formally will review all cases and will act accordingly as per the Management policy
- The cell will give report to the Principal about the cases attended to and the number of pending cases, if any, which require direction and guidance from the higher authorities.
- In case of any grievance the members of the cell are empowered to sort out the problems at their level through discussion with applicant.
- Considering the nature and depth of the grievances due inquiry is made by the members of the cell and through personal discussion the matter is solved.
- If anybody is found to be guilty for any kind of nuisance the redressal will carry out with due consideration with the Principal.

- The nature of the action for redressal like imposing fine, issuing memo, expelling from the college as per the rule of the institute and management information to the police (if situation arises for so).

Responsibility for Redressal:

- The final responsibility for grievance redressal rests with the Committee constitution of the Principal of the college.
- The Grievance redressal should be time bound and result oriented.
- Grievance redressal shall furnish report on grievance redressal status and position to the Principal.

Composition:

- The Internal Grievance Cell/ Redressal Cell of the institute having provision of Principal, five teaching staff (one from each department) , one HOD, one Registrar as members and one Principal as the Chairman. The cell is having the provision of being reconstituted every five year.

- **Establishment of Anti Ragging Committee**

[Annexure 2](#)

- **Establishment of Online Grievance Redressal Mechanism**

<https://grievances.somaiya.edu/login?institute=22>

- **Establishment of Grievance Redressal Committee in the Institution and**

[Annexure 3](#)

- **Appointment of OMBUDSMAN by the University
In Process**

- **Establishment of Internal Complaint Committee (ICC)**

[Annexure 4](#)

- **Establishment of Committee for SC/ST**

[Annexure 5](#)

- **Internal Quality Assurance Cell**

[Annexure 6](#)

8. Program

- **Name of Under Graduate Programs approved by AICTE:**

1. Electronics & Telecommunication Engineering
2. Computer Engineering
3. Information Technology

4. Artificial Intelligence and Data sciences

➤ **Name of Post Graduate Programs approved by AICTE:**

Masters in Artificial Intelligence

➤ **Name of Programs Accredited by NBA**

1. Electronics & Telecommunication Engineering

2. Computer Engineering

3. Electronics Engineering.

Status of Accreditation of the Courses

Total number of Courses	No. of Courses for which applied for Accreditation	Status of Accreditation – (Preliminary/ Applied for SAR and results awaited/ Applied for SAR and visits completed/ Results of the visits awaited/ Rejected/ Approved for . . .Courses (specify the number of courses)
4	3	Approved for 03 courses
		Applied for SAR and results awaited for 01 course

For each Program the following are details:

Name	Number of seats	Duration In Year	Cut off marks/rank of admission during the last three years	Fee (as approved by the state government)	Placement Facilities	Campus placement in last three years with minimum salary, maximum salary and average salary
Electronics & Telecommunication Engineering	120	04	Refer Point No. 10	Approved by Fees Regulating Authority Annexure 8	Campus placement, pool campus activities are conducted as per norms	Annexure 7
Computer Engineering	120	04				
Information Technology	60	04				
Artificial Intelligence and Data sciences (UG)	60	04				
Masters in Artificial Intelligence	18	02			NA	NA

9. Faculty

a. Course/Branch wise list Faculty members: ([Annexure 9](#))

- i. Permanent Faculty : 72 (With Adhoc 84)
- ii. Adjunct Faculty: Nil
- iii. Permanent Faculty: Student Ratio 1: 20 (72: 1460) (1: 17 If Adhoc considered)

b. Number of Faculty employed and left during the last three years
(Annexure 9a 2018-19,2019-20,2020-21)

10. Profile of Vice Chancellor/ Director/ Principal / Faculty

Annexure 10, 10a (Principal Profile)

11. Fee

1. Details of Fee as approved by state Fee Committee for the Institution

<u>FAR Fees Minutes</u> Annexure 8	2020-2021
<u>Fees Structure FY To LY</u> Annexure 11	2021-2022

2. Time Schedule for Payments of Fees

First Installment on or before 15/08/2021	80,000.00
Second Installment on or before 30/09/2021	45,486.00
Third Installment on or before 30/10/2021	45,000.00

3. No. of Fee Waivers Granted with amount and name of students

Name Of Students Admitted Under TFWS	Development Fees	Other Fees	Total Fees	Branch
DESHMANE ABHINAV MACHHINDRA	19098	4486	23584	FEEXTC
PAL SACHIN CHANDEV	19098	4486	23584	FEIT
SAWALKAR YASH NARENDRA	19098	4486	23584	FEAI-DS
RAO RISHABH SHRIKRISHNA	19098	4486	23584	FECOMP
VAIDYA ABHISHEK KISHOR	19098	4486	23584	FECOMP
BORKAR TANISHKA BHUSHAN	19098	4486	23584	FECOMP
GAWADE MANSI JALINDAR	19098	4486	23584	FEIT
SANKPAL PARTH KUNDLIK	19098	4486	23584	FEEXTC
SHETTY MANASVI SUBHASH	19098	4486	23584	FEEXTC
SHAHANE KARTIK JAGANNATH	19098	4486	23584	FECOMP
BHAGYWANT SATYAM SUBHASH	19098	4486	23584	FEEXTC
PANDEY GEETESH RANJIT	19098	5306	24404	FEAI-DS
JAIN VIDHI MAHENDRA	19098	4486	23584	FEIT
AMIN HARSH JAGDISH	19098	4486	23584	FEAI-DS
NASARE MEHUL SURYAKANT	19098	4486	23584	FEEXTC
CHAVAN BHASKAR DEEPAK	19098	4486	23584	FECOMP

				RX		P	TC		RX	
Intake	60	120	60	60	300	120	120	60	60	360
CAP	7	14	6	5	32	22	19	10	7	58
CAP Minority	19	26	16	3	64	37	25	20	9	91
Against Minority	12	30	15	0	57	24	0	10	0	34
Institute Level	3	6	3	0	12	6	0	3	0	9
Against CAP	19	31	20	2	72	31	21	16	1	69
Against Minority (non-min)	0	6	0	0	6	0	0	1	0	1
J&K	0	1	1	1	3	1	0	1	0	2
JKPSSS/NE UT	0	0	0	0	0	3	0	2	0	5
GOI	0	0	0	0	0	0	0	0	0	0
TFWS	3	5	2	3	13	6	4	1	1	12
Total	63	119	63	14	259	130	69	64	18	281

b) UG Engineering Degree Course Direct Second Year for Academic Year 2018-2019, 2019-2020 and 2020-2021

DSE Admission 2018-2019					
Name	COMP	EXTC	IT	ETRX	Total
CAP	5	13	4	11	33
CAP Minority	6	1	7	1	15
CAP Minority (MI-MH)	0	13	0	0	0
Against CAP	0	0	1	2	3
Against CAP Minority(MI)	1	0	0	2	3
Against CAP Minority (Gen)	0	2	0	0	2
Total	12	29	12	16	69
DSE Admission 2019-2020					
Name	COM P	EXT C	IT	ETR X	Total
No of seats for Admission					
CAP	2	10	3	26	41
CAP Minority	4	12	5	1	22
CAP Minority (MI-MH)	0	0	0	19	19
Against CAP	0	0	0	1	1
Against CAP Minority(MI)	0	0	0	1	1
Against CAP Minority (Gen)	0	0	0	8	8
Total	6	22	8	56	92
DSE Admission 2020-2021					
Name	COMP	EXTC	IT	ETRX	Total
No of seats for Admission	12	70	7	49	138
CAP	5	32	3	5	45

CAP Minority	7	20	4	0	31
CAP Minority (MI-MH)	0	0	0	0	0
Against CAP	0	2	0	1	3
Against CAP Minority(MI)	0	0	0	0	0
Against CAP Minority (Gen)	0	16	0	0	16
Total	12	70	7	6	95

c) PG Engineering Degree Course for Academic Year 2019-2020 and 2020-2021 Course Started from the Academic Year 2019-2020

Name	2019-2020	2020-2021
CAP	3	6
Against CAP	4	3
CAP Minority	0	0
Against Minority	1	3
Total	8	12

- **Number of applications received during last two years for admission under Management Quota and number admitted**

AY 2019-2020

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
UG Course(First Year)			
1) Computer Engineering	211	476	113
2) Information Technology			
3) Electronics & Telecommunication			
4) Electronics Engineering			
UG Courses (Direct Second Year)			
1) Computer Engineering	10	112	10
2) Information Technology			
3) Electronics & Telecommunication			
4) Electronics Engineering			
PG Courses			
ME Artificial Intelligence :	15	8	5

AY 2020-2021

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
UG Courses (First Year)			
1) Computer Engineering	154	851	113
2) Information Technology			
3) Electronics & Telecommunication			
4) Artificial Intelligence and Data Science			
UG Courses (Direct Second Year)			
1) Computer Engineering	62	81	19
2) Information Technology			
3) Electronics & Telecommunication			
4) Electronics Engineering			
PG Courses			
Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
ME Artificial Intelligence	12	10	6

13. Admission Procedure:

1) Admission Test and Name and Address of Test Agency/ State Admission Authorities and its URL (Website)

Admission Test –

a) CET is conducted by State Common Entrance Test Cell

8th floor, New Excelsior Building, A.K. Nayak

Marg, Fort, Mumbai 400001

E-Mail: maharashtra.cetcell@gmail.com

Website: <http://www.mahacet.org>

b) JEE Main is conducted by National Testing Agency(NTA), New Delhi

National Testing Agency (NTA)

Website : jeemain@nta.ac.in

2) Number of seats allotted to different Test Qualified candidate separately (AIEEE/CET (State Conducted Test) etc.

Number of Seats:

JEE Main : 15% of CAP Seats excluding CAP Minority Seats

CET : 85% of CAP Seats plus 100% CAP Minority Seats

3) Calendar for admission against Management / Vacant Seats: Detailed Schedule attached as [Annexure –A](#)

Last date of request for application	:	Schedule attached as Annexure A
Last date of submission of application	:	Schedule attached as Annexure A
Date for announcing final results	:	Schedule attached as Annexure A
Release of admission list	:	Schedule attached as Annexure A
Date of acceptance of by the Candidate	:	Schedule attached as Annexure A
Last date for closing of admission	:	05.02.2021
Starting of the Academic Session	:	21.01.2021

The waiting list shall be activated only on the expiry of date of main list

➤ **The Policy of refund of the Fee, in case of withdrawal, shall be clearly notified**

The Candidate shall apply online for cancellation and submit duly signed copy of system generated application for cancellation of admission to the institution. Once the candidate submits online request for cancellation, his/her admission shall be treated as cancelled. The Institute shall consider the online request made by Candidate for cancellation as final irrespective of whether he/she has submitted duly signed copy of system generated application to the Institute. Upon such cancellation, the candidate shall lose the claim on the seat and such seat shall become available for further allotment. The candidate shall then become entitled to and the Institute shall refund the entire fees to

- (a) the candidate after deduction of Rs.1000/- towards processing charges and return all his/her original documents submitted to the Institute within two days from submission of duly signed copy of system generated application to the Institute;
- (b) Notwithstanding clause (a) above, candidate shall not be entitled to any refund of his/her fee except the Security Deposit and Caution Money Deposit if the online cancellation is effected by the candidate after 5.00 p.m. of the cut-off date prescribed by the Competent Authority;

14. Criteria and Weightages for Admission

➤ **Eligibility Criteria : BE and ME Admission**

a) First Year - Engineering / Technology [4 Years duration]

(1) Maharashtra State Candidature Candidate. –

- (i) The Candidate should be an Indian National;
- (ii) Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical Vocational subject or Computer Science or Information Technology or Informatics Practices or Agriculture or Engineering Graphics or Business Studies , and obtained at least 45% marks (at least 40% marks, in case of Backward class categories, Economically Weaker Section and Persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together and The Candidate should have appeared in all the subjects in MHT-CET 2020 and should obtain non zero score in MHT-CET 2020. **Or**

- (iii) Passed Diploma in Engineering and Technology and obtained at least 45% marks (at least 40% marks, in case of Backward class categories, Economically Weaker Section and Persons with Disability candidates belonging to Maharashtra State only);

(2) All India Candidature Candidates, Union Territory of Jammu and Kashmir and Union Territory of Ladakh Migrant Candidature Candidates. –

- (i) The Candidate should be an Indian National;
- (ii) Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical Vocational subject or Computer Science or Information Technology or Informatics Practices or Agriculture or Engineering Graphics or Business Studies and obtained at least 45% marks (at least 40% marks, in case of Backward class categories, Economically Weaker Section and Persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together and should obtain non zero positive score in JEE Main (B.E/B.Tech) or the candidate should have appeared in all the subjects in MHT-CET 2020 and should obtain non zero score in MHT-CET 2020.

However, preference shall be given to the candidate obtaining non zero positive score in JEE Main(B.E/B.Tech) over the candidates who obtained non zero score in MHT-CET 2020. **Or**

- (iii) Passed Diploma in Engineering and Technology and obtained at least 45% marks (at least 40% marks, in case of Backward class categories, economically Weaker Section and Persons with Disability candidates belonging to Maharashtra State only);

(3) NRI / OCI / PIO, Children of Indian workers in the Gulf countries, Foreign National. –

- (i) The candidate should have passed the HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical Vocational subject or Computer Science or Information Technology or Informatics Practices or Agriculture or Engineering Graphics or Business Studies , and obtained at least 45% marks in the above subjects taken together;
- (ii) Any other criterion declared from time to time by the appropriate authority as defined under the Act.

b) Engineering and Technology (BE/B.Tech) Direct Second Year Direct Second Year (Lateral Entry)- Engineering /Technology [3 Years duration]

(1) For Maharashtra State Candidature Candidate and All India Candidature Candidate, -

- (i) The Candidate should be an Indian National;
- (ii) Passed Diploma Course in Engineering and Technology with at least 45% marks (40% marks in case of candidates of backward class categories, Economically Weaker Section and Persons with Disability belonging to Maharashtra State only) in appropriate branch of Engineering and Technology from an All India Council for Technical Education or Central or State Government approved Institution or its equivalent ;

Or

(ii) Passed B.Sc. Degree from a University Grants Commission (UGC) or Association of Indian Universities recognized University with at least 45% marks (40% in case of candidates of Backward class categories, Economically Weaker Section and Persons with Disability belonging to Maharashtra State only) and passed HSC with Mathematics as a subject. Provided that students belonging to this category shall clear the subjects of Engineering Graphics/ Engineering Drawing and Engineering Mechanics of the first year Engineering Program along with second year subjects.

Or

(ii) Passed D.Voc. Stream in the same or allied sector.

(iii) In the above cases, a suitable bridge Courses, if required such as in Mathematics may be conducted.

(iv) Any other criterion declared from time to time by the appropriate authority as defined under the Act

**(C) Engineering and Technology (M.E./M.Tech.) (2 Years Duration)
Engineering and Technology (M.E./M.Tech.)**

(1) For Maharashtra Candidature Candidate and All India Candidature Candidate,-

(i) The Candidate should be an Indian National;

(ii) Passed Bachelor Degree in the relevant field of Engineering and Technology or Pharmacy from All India Council for Technical Education or Central or State Government approved institutions or equivalent, with at least 50% marks (at least 45% marks in case of candidates of Backward Class categories, Economically weaker section and Persons with Disability category belonging to Maharashtra State)

(iii) Passed Bachelor Degree in the relevant course of Engineering and Technology or Pharmacy as specified in the eligibility criteria for admission to a Post Graduate Degree course of the concerned University for which admission is being sought;

(iv) Obtained Qualified score in Graduates Aptitude Test in Engineering (GATE) conducted by the Indian Institute of Technology and valid for the current academic year ; or (iv) Obtained non-Qualified marks in Graduates Aptitude Test in Engineering (GATE) conducted by the Indian Institute of Technology for the current academic year; or

(iv) Obtained Qualified score in Graduates Pharmacy Aptitude Test (GPAT) conducted by National Testing Agency and valid for the current academic year ; or

(v) Obtained non-Qualified marks in Graduates Pharmacy Aptitude Test (GPAT) conducted by National Testing Agency for the current academic year; or

(vi) For sponsored candidates, minimum of two years of full time work experience in a registered firm/ company/ industry/ educational and/ or research institute/ any Government Department or Government Autonomous Organization in the relevant field in which admission is being sought;

(vii) GATE or GPAT Qualified Candidates shall have preference over the not

qualified Candidates.

(2) NRI / OCI / PIO, Children of Indian workers in the Gulf countries, Foreign National.

- (i) Passed Bachelor Degree in the relevant field of Engineering and Technology from All India Council for Technical Education or Central or State Government approved institutions or equivalent, with at least 50 % marks;
- (ii) Passed Bachelor Degree in the relevant course of Engineering and Technology as specified in the eligibility criteria for admission to a Post Graduate Degree course of the concerned University for which admission is being sought.

Any other criterion declared from time to time by the appropriate authority

- (iii) as defined under the Act.

➤ **Mentioned Minimum Level of acceptance if any** : as per the guidelines issued by the Competent Authority.

➤ Mentioned Cut-off Level of percentage and percentiles score of the candidates in the admission for the last three years

1) First Year Engineering Degree Course

Cut-off Marks for Last Three years : 2018-2019, 2019-20 and 2020-21

FE-2018-2019 (CET Based)								
Branch	CAP		CAP-MI		ACAP		ACAPMI	
	Max	Min	Max	Min	Max	Min	Max	Min
COMP	141	130	123	109	134	109	115	93
I.T.	130	119	108	99	111	85	102	72
EXTC	121	100	93	75	86	41	75	52
ETRX	122	67	76	65	79	69	-	-

FE-2019-2020 (CET Based)								
Branch	CAP		CAP-MI		ACAP		ACAPMI	
	Max	Min	Max	Min	Max	Min	Max	Min
COMP	99.2928 17	96.7759	95.62364 66	90.149765	97.124193	83.1887 34	90.1352 81	30.3447 93
I.T.	96.9913	94.3211 69	92.79998 26	85.968584 1	90.83486	66.3452 42	81.6646 51	22.5983 65
EXTC	96.2996 89	90.2993	91.46491 6	64.392431	94.324066	2.95257 2	-	-
ETRX	96.2909 99	67.0608	88.47577 18	92.476988	46.037528	-	-	-

FE-2020-2021 (CET Based)				
Branch	CA P	CAP- MI	ACA P	ACAPMI

	Max	Min	Max	Min	Max	Min	Max	Min
COMP	98.6647 27	95.9888 06	96.18661 59	88.859451 9	97.4098 86	90.8790 06	94.8051 95	83.7275
I.T.	96.4707 62	95.2605 84	93.73319 21	87.059023 1	93.5697 96	88.7087 44	86.2580 04	66.9447 73
EXTC	95.1994 69	88.3791 53	85.25046 38	2.122742 4	94.8341 35	11.2823 54	82.7539 9	63.1303 76
AI&DS	98.9823 76	93.5345 87	95.19946 91	81.503038 6	89.2314 99	82.3095 1	85.2126 89	69.7264 39

Direct Second year Engineering Degree Course :
Cut-off Marks for Last Three years : 2018-2019, 2019-20 and 2020-21

DSE-2018-2019								
Branch	CAP		CAP-MI/MI-MH		ACAP		ACAPMI	
	Max	Min	Max	Min	Max	Min	Max	Min
COMP	87.19	84.41	85.06	84.29	---	---	81.70	---
I.T.	85.56	82.26	83.60	81.94	81.00	---	---	---
EXTC	83.71	67.65	67.29	59.29	---	---	71.64	58.65
ETRX	76.94	61.03	57.49	---	64.76	63.38	70.30	67.19

DSE-2019-2020								
Branch	CAP		CAP-MI/MI-MH		ACA P		ACAPMI	
	Max	Min	Max	Min	Max	Min	Max	Min
COMP	91.27	91.19	90.40	90.00	---	---	---	---
I.T.	92.07	90.47	89.30	88.81	---	---	---	---
EXTC	85.12	78.82	78.70	61.15	---	---	---	---
ETRX	83.00	56.20	81.50	57.41	71.41	---	84.30	60.12

DSE-2020-2021								
Branch	CA P		CAP-MI/MI-MH		ACA P		ACAPMI	
	Max	Min	Max	Min	Max	Min	Max	Min
COMP	96.00	93.50	93.14	92.06	---	---	---	---
I.T.	93.80	93.20	92.07	91.20	---	---	---	---
EXTC	89.41	64.59	90.00	56.06	89.10	73.1 3	87.87	63.06
ETRX	69.06	53.63	---	---	66.00	---	---	---

Master of Engineering:
2018-2019 : Not applicable as course started from the Academic Year 2019-20

ME-2019-2020 (GATE)								
Course	CAP		CAP-MI		ACA P		ACAPMI	
	Max	Min	Max	Min	Max	Min	Max	Min
AI	21.0 0	17.3 3	---	---	26.3 3	5.67	---	---

ME-2019-2020 (Graduation)

Course	CAP		CAP-MI		ACA P		ACAPMI	
	Max	Min	Max	Min	Max	Min	Max	Min
AI	---	---	---	---	62.3 3	61.9 1	70.7 3	---
ME-2020-2021 (GATE)								
Course	CAP		CAP-MI		ACA P		ACAPMI	
	Max	Min	Max	Min	Max	Min	Max	Min
AI	28.3 3	11.6 7	---	---	24.0 0	9.33	16.3 3	--
ME-2020-2021 (Graduation)								
Course	CAP		CAP-MI		ACA P		ACAPMI	
	Max	Min	Max	Min	Max	Min	Max	Min
AI	71.2 7	---	---	---	---	---	60.7 8	57.35

- Display marks scored in Test etc. and in aggregate for all candidates who were admitted : [List attached as Annexure B](#)

15. List of Applicants:

➤ **Vacant Seats after CAP**

List of candidates whose applications have been received along with percentile/percentages score for each of the qualifying examination in separate categories for open seats : [_Copy of Merit Lists attached as Annexure C](#)

16. Result of Admission under Vacant Seats

- a) Composition of selection teams for admission under **Vacant Seats** with the brief profile of Members (This information be made available in the public domain after the admission process is over) :
- Dr. Suresh Ukarande : Principal
Dr. Sunita Patil : Professor & Vice Principal
Dr. Hari Chavan : Professor and ME Admission Co-Ordinator
Dr. Harsha Mishra : HOD, Assistant Professor and
FE & DSE Admission Co-ordinator
Prof. Sanjiv Badhe : Assistant Professor and FE Admission Co-ordinator
Prof. Kirtikumar Patel : Assistant Professor and DSE Admission Co-ordinator
- b) Score of the individual candidates admitted arranged in order or merit : As per [Annexure B](#)
- c) List of candidates who have been offered admission : List of students attached herewith as [Annexure B](#)
- d) Waiting List of the candidates in order of Merit to be operative from the last date of joining of the first list candidates : [as per Merit List Annexure C](#)
- e) List of candidates who joined within the date, vacancy position in each category operation of Waiting List : List attached [as Annexure B](#)

17. Information of Infrastructure and Other Resources Available

Sr. No	Particular	Details
1	Number of Classrooms and size of each	13 Classrooms of 96 SQM 03 Classrooms of 66 SQM 01 Classroom of 145 SQM 01 Classroom of 80 SQM 01 Classroom of 50 SQM Total 19 classrooms
2	Number of Tutorial rooms and size of each	02 Tutorial rooms of 45 SQM 02 Tutorial rooms of 30 SQM 01 Tutorial room of 25 SQM Total 05 Tutorial rooms
3	Number of Laboratories and size of each	01 Laboratory of 85 SQM 01 Laboratory of 84 SQM

		03 Laboratories of 80 SQM 03 Laboratories of 76 SQM 02 Laboratories of 75 SQM 01 Laboratory of 73 SQM 01 Laboratory of 72 SQM 07 Laboratories of 70 SQM 04 Laboratories of 67 SQM 04 Laboratories of 66 SQM 05 Laboratories of 54 SQM 03 Laboratories of 50 SQM 01 Laboratory of 46 SQM Total 36 laboratories												
4	Number of Drawing Halls with capacity of each	01 Drawing hall of 140 SQM												
5	Number of Computer Centers with capacity of each	02 Computer Centers of 77 SQM												
6	Central Examination Facility, Number of rooms and capacity of each	01 Central Examination Facility of 57 SQM												
7	Online examination facility (Number of Nodes, Internet bandwidth, etc.)	Number of Nodes: 200 Internet bandwidth: 150 Mbps												
8	Barrier Free Built Environment for disabled and elderly persons	Available												
9	Occupancy Certificate	Available												
10	Fire and Safety Certificate	Available												
11	Hostel Facilities	Hostel facility is available for more details can log on the below mentioned link https://www.somaiya.edu.in/en/hostel-housing/												
12	• Library Number of Library books/ Titles/ Journals available (Program-	<table border="1"> <thead> <tr> <th colspan="4">Department wise STATISTITCS</th> </tr> <tr> <th>DEPT</th> <th>BOOKS</th> <th>TITLES</th> <th>JOURNALS</th> </tr> </thead> <tbody> <tr> <td>BSH</td> <td>4825</td> <td>1133</td> <td>43</td> </tr> </tbody> </table>	Department wise STATISTITCS				DEPT	BOOKS	TITLES	JOURNALS	BSH	4825	1133	43
Department wise STATISTITCS														
DEPT	BOOKS	TITLES	JOURNALS											
BSH	4825	1133	43											

wise)	COMP	5554	1487
	ETRX	2414	520
	EXTC	4618	1036
	GENEERAL	2227	1721
	IT	2884	666
		22522	6563
List of online National/ International Journals subscribed	NATIONAL PRINT JOURNALS IN LIBRARY		
	Sr.No.	Name of the journal	Branch
	1	Annals of library and information studies	BSH
	2	Bhartiya vaigyanik evan audyogik anusandhan patrika	ALL
	3	Bulletin of Materials science	BSH
	4	Current Science	BSH
	5	Everyman's Science	ALL
	6	IETE : Journal of Research	ALL
	7	IETE : Technical Review	ALL
	8	India power journal	ETRX/EXTC
	9	Indian journal of engineering and materials sciences	ALL
	10	Indian journal of natural products and resources	BSH
	11	Indian journal of traditional knowledge	BSH
	12	Indian Journal of Pure & Applied Physics	ETRX/EXTC/BSH
	13	Indian Journal of Technical Education	ALL
	NATIONAL PRINT JOURNALS IN LIBRARY		
	Sr.No.	Name of the journal	Branch
	14	International journal of advance in engineering scinece and applied mathematics	ALL
	15	ISA - Indian Sci. Abstracts	BSH
	16	Journal of biofuels and bioenergy	BSH
17	Journal of Intellectual Property Rights	ALL	
18	Journal of the Institution of Engineers India : -Series B	ALL	
19	Journal of Scientific &	ALL	

	Industrial Research	
20	Journal of water works association	BSH
21	Pramana	BSH
22	Proceedings : Mathematical Sciences	BSH
23	Resonance	ALL
24	Sadhana	ALL
25	University News	ALL

NATIONAL PRINT MAGAZINES IN LIBRARY

Sr.No.	Magazines	Branch
1	Anubhav	GEN
2	Competition Success Review	ALL
3	CSI Communications	COMP/IT
4	CSIR News	ALL
5	Data Quest	COMP/IT
6	Digit AND Digit : Fast Track	COMP/IT
7	Down to Earth	BSH
8	DRDO newsletter	ALL
9	Electrical India	ETRX/EXTC
10	Electronics For You	ETRX/EXTC

NATIONAL PRINT MAGAZINES IN LIBRARY

Sr.No.	Magazines	Branch
11	India Today	GEN
12	Lokprabha	GEN
13	Open Source For You	COMP/IT
14	PC Quest	COMP/IT
15	Pragati, vikas aur aasha CSIR samachar	ALL
16	Pratigyogita Darpan	GEN
17	Readers' Digest	GEN
18	Voice & Data	ETRX/EXTC

• E- JOURNALS AND E-BOOKS

		SR.No	NAME of DATABASE	
		1	ACM DIGITAL LIBRARY	
		2	ACCESS ENGINEERING LIBRARY- MC-GRAW HILL	
		3	ASME	
		4	DELNET	
		5	EBSCO E-Books - 6000	
		6	IEEE ELECTRONIC LIBRARY	
		7	Mc graw hill E Books - 80	
		8	SPRINGER-ELECTRICAL, ELECTRONICS, COMPUTER and MECHANICAL	
		9	WILEY E-JOURNALS	
	E- Library facilities	<p>Special e-Facilities provided during COVID-19 Pandemic Lockdown period follows:-</p> <ol style="list-style-type: none"> 1) Free Access to Online text books by Mc graw hill, Wiley provided to all readers as a special facility from the publishers 2) Remote access enabled for all the databases including core engineering e journals like IEEE, Springer, Wiley, Elsevier, J-Gate, Web of Science etc. 3) PDF for many books provided to students and faculty on personal requests. 4) All the books are not available as e books. So in the beginning of new semester, library was kept open (3 days) for book borrowing by Faculty & Staff members. 5) All possible Support given for checking of plagiarism using Urkund software. 6) Webinar on Access of Urkund plagiarism checking tool arranged for all patrons. 7) Books' due dates extended by the Librarian using Virtual machine. Care was taken so that no reminder will be sent during the lockdown period. 8) Complete online support with respect to library queries given to each and every student, faculty and staff. 9) Timely updates about new services established during this period given to all users. Information about various open sources sites provided on email as well as same is made available on Library page of Institute website. 10) Mumbai University Old Question papers, Video lectures of Institute teachers uploaded on Somaiya institutional repository (repository.somaiya.edu). Links of faculty publications also created on it. The process of uploading webinar lectures is going on. The data uploading on the institutional repository will be a continuous process. 		

	National Digital Library (NDL) subscription details	<ul style="list-style-type: none"> The subscription for National Digital library (NDL) is free. Our NDLI Club Registration Number : INMHNC4MURUVCBX
13	Laboratory and Workshop	Annexure 14
	List of Major Equipment/Facilities in each Laboratory/Workshop	
	List of Experimental Setup in each Laboratory/Workshop	
14	Computing Facilities	
	Internet Bandwidth	150Mbps
	Number and configuration of System	746 Intel i3, 4GB RAM, 500HDD,
	Total number of systems connected by LAN	746
	Total number of systems connected by WAN	746
	Major software packages available	<ul style="list-style-type: none"> Operating System Microsoft Windows, Ubuntu Antivirus Kaspersky Microsoft School Campus Matlab Visual Studio Firewall Sophos
	Special purpose facilities available (Conduct of online Meetings/Webinars/Workshops, etc.)	Zoom Platform
	Facilities for conduct of classes/courses in online mode (Theory & Practical)	Microsoft Teams
	Innovation Cell	Yes
	Social Media Cell	<ul style="list-style-type: none"> KJSIEIT Website

		<ul style="list-style-type: none"> • Youtube • Facebook • Instagram • Twitter
15	List of facilities available	Annexure 15
	Games and Sports Facilities	<ul style="list-style-type: none"> ➤ A wide range of sports facilities are available for students on the campus. ➤ Gymkhana provides facilities to practice sports. ➤ Sports complex consist of indoor table tennis, Carrom, chess, Badminton, Squash, Out door table tennis, Outdoor chess, Lawn Tennis court, Kabaddi, Kho Kho, Court for basketball, Volly ball ground, Astro Turf football, Football ground , Ground for cricket, ➤ A running track of a international standard and other areas for athletics events. Students can persue their desired game also coaches are available for training of the games. ➤ Skating and Cycling track is an initiative of Somaiya Sports Academy, Somaiya Vidyavihar . They have launched Mumbai's first banked skating and cycling track at its Sion campus. Used for roller derby events, a banked track is an oval skating surface designed with raised and sloped turns. The skating bank has specifications in line with National tournament requirements (200 meters inner oval and approx. 240 meters square on the outer perimeter).
	Extra-Curricular Activities	<p>Please refer the following link</p> <p>https://kjsieit.somaiya.edu.in/en/co-curricular-activities</p>
	Soft Skill Development Facilities	<ul style="list-style-type: none"> ➤ Institute has Language Laboratory which has O'RELL software & Audiovideo facility. ➤ Laboratory is specially developed to improve soft skills of students. ➤ First year students and as per requirement higher class students and faculty utilizing this laboratory to enhance Communication skills and Listening skills. ➤ Institute has a Counseling cell, Medical Counselor ➤ Mentoring facility where one faculty is assigned as a Mentor for 20 students. Personally These mentors are helping students in all aspects where ever they need help and guidance. ➤ This support system provide personalize attention to students to develop their soft skills. ➤ Introduction of Skill Based, Activity Based, and

		Technology based and Project Based learning under autonomy curricula. These credit based exposure courses provide value addition into the engineering and technology learning. These exposure based learning provides all round growth to the learners with active involvement through case studies, group discussions, competitions, site visits, surveys, presentations, internships, project developments etc.
16	Teaching Learning Process	Annexure 16
	Curricula and syllabus for each of the Programs as approved by the University	Annexure 17
	Academic Calendar of the University	Annexure 18
	Academic Timetable with the name of the Faculty members handling the Course	Annexure 19
	Teaching Load of each Faculty	Annexure 20
	Internal Continuous Evaluation System and place	<p>As an affiliated institution of University of Mumbai, evaluation norms of the University are followed.</p> <p><u>For continuous assessment in theory subjects,</u></p> <ul style="list-style-type: none"> ➤ As per Mumbai University regulation, two term tests are conducted based on 40 and 60 of syllabus. ➤ Internal test dates are informed at the start of the semester through the Academic Calendar. ➤ Internal test question papers are of 20 marks and are mapped with subject's course outcomes. ➤ Question Paper are verified by the DQC coordinators and HOD. ➤ Assignments and question banks are given for each subject for practice. ➤ For each subject and for each chapter, a module exit survey is conducted through Google class room. ➤ For each subject, course exit survey is conducted. ➤ For final year, program exit survey is conducted through Google Classroom. <p><u>For continuous assessment in Practical subjects:</u></p> <ul style="list-style-type: none"> ➤ Experiment list is displayed on notice board at the start of the semester. ➤ Rubrics are designed for practical subjects and based

		<p>on rubrics all experiments are evaluated.</p> <ul style="list-style-type: none"> ➤ Additional experiments are also introduced wherever possible. ➤ Oral is conducted at the time of practical sessions and extra practical sessions are also given so that students will be ready for practical and oral exams. ➤ Prerequisite test, bridge test is conducted for first year student. ➤ Gap analysis and remedial actions are done for all subjects. ➤ For Project evaluation four presentations per semester are done and students are evaluated according to well defined rubrics.
	Student's assessment of Faculty, System in place	<ul style="list-style-type: none"> ➤ The Institute practices an effective feedback system. ➤ The institute collects feedback from students for the teaching learning process twice a semester. ➤ HODs of the corresponding department analyze the feedback, and also discuss with the concerned faculty member for the improvement of individual teaching. ➤ The feedback is taken in the middle of the semester, which ensures the improvement for the remaining term. ➤ During Teachers day celebration the deserving teachers are appreciated, based on overall API score and feedback from students. ➤ The Academic Committee monitors the teaching learning process. ➤ Mid semester reports consisting of the syllabus coverage, lecture conducted, etc. are collected and analyzed by AC and reported to the HODs. ➤ HOD after discussing with individual faculty ensures the coverage of complete syllabus by creating the provision of extra lectures.
17	For each Post Graduate Courses give the following:	
	Title of the Course	M.Tech in Artificial Intelligence
	Curricula and Syllabi	Annexure 21
	Laboratory facilities exclusive to the Post Graduate Course	<p>Yes</p> <p>Research Lab</p> <p>Lab No.09B</p> <p>Equipment: 07 Desk top,01 Lazer Printer,01 Laptop</p> <p>Matlab Software</p>

18	Special Purpose	
	Software, all design tools in case	All Matlab Tools
	Academic Calendar and framework	Annexure 22, 22a

16. Enrolment and placement details of students in the last 3 years

FE			
BRANCH	2018-2019	2019-2020	2020-2021
	Enrollment	Enrollment	Enrollment
Electronics & Telecommunication Engineering	119	69	84
Computer Engineering	63	130	130
Information Technology	63	64	66
Electronics Engineering	14	18	--
Artificial Intelligence And Data Science	--	--	63
SE			
BRANCH	2018-2019	2019-2020	2020-2021
	Enrollment	Enrollment	Enrollment
Electronics & Telecommunication Engineering	152	137	141
Computer Engineering	76	69	141
Information Technology	77	68	70
Electronics Engineering	55	70	24
TE			
BRANCH	2018-2019	2019-2020	2020-2021
	Enrollment	Enrollment	Enrollment
Electronics & Telecommunication Engineering	147	146	145
Computer Engineering	77	79	68
Information Technology	75	81	71
Electronics Engineering	60	52	84
BE			
BRANCH	2018-2019	2019-2020	2020-2021

	Enrollment	Placement	Enrollment	Placement	Enrollment	Placement
Electronics & Telecommunication Engineering	163	60	130	52	158	24
Computer Engineering	78	65	77	45	80	51
Information Technology	73	48	72	45	82	56
Electronics Engineering	76	17	59	15	53	6

17. List of Research Projects/ Consultancy Works

- Number of Projects carried out, funding agency, Grant received
- Publications (if any) out of research in last three years out of masters projects

[KJSIEIT Research project Data updated 11 2 21.xlsx Annexure 23](#)

- MoUs with Industries (minimum 3(10))

[Updated MOU List of KJSIEIT_22.05.2021 \(2\).docx Annexure 24](#)

18. LoA and subsequent EoA till the current Academic Year

[supporting PDF doc\EOA Report 21-22.PDF Annexure 25](#)

19. Accounted audited statement for the last three years

[supporting PDF doc\Audit Report 17-18 KJSIEIT \(1\).pdf Annexure 26](#)

[supporting PDF doc\Audit Report 2018-19_KJSIET.pdf Annexure 27](#)

[supporting PDF doc\Audit Report 2019- 2020 kjsieit \(1\).pdf Annexure 28](#)

20. Best Practices adopted if any

INNOVATIONS AND BEST PRACTICES AT KJSIEIT

Environment Consciousness

Institute conduct a Green Audit of its campus and facilities

We have conducted a green audit of our campus in 2016-17. We have a committee which includes an environmental engineer to conduct a green audit of the campus. As per the suggestions of the Green Audit Committee, we have initiated e-waste management, composting of canteen and garden and switching over to solar-powered street lights.

The initiatives taken by the college to make the campus eco- friendly

- ✓ **Energy conservation**
- ✓ **Use of renewable energy**
- ✓ **Water harvesting**
- ✓ **Efforts for Carbon neutrality**
- ✓ **Plantation**
- ✓ **Hazardous waste management**
- ✓ **e-waste management**

✓ **Energy conservation**

The management and leadership of KJSIEIT is environment conscious and have taken steps for energy conservation.

- One of the primary ways to enable conservation of energy is in the design of the building. The Institute building is designed so that all classrooms have adequate ventilation and receives ample natural light. So our use of light is at a minimum and fans are needed only in summer.
- We have conducted an electrical audit of the building and installed a 70 KVAR APFC panel to cut down on electrical consumption based on their recommendation.
- We have around 600 computers in our college. All these computers have energy efficient LCD monitors.
- The new extension building is planned with the radiant cooling concept.
- We have already initiated the replacement of fluorescent lamps with LED lamps. The replacement is being done stage wise. The common areas of the Institute like auditorium and toilet block are fitted with low energy LED lamps in the first phase. Any future replacements will be using LED lamps. The majority of the present lighting is using CFL lamps instead of tube lights.

- Switching off appliances when not in use is an effective way to conserve energy. In this respect, we have planned remote control of lights using a Smartphone app, wherein lights and fans can be turned off by a supervisor who has access to the app even from home. Automation of lights in a laboratory and in the Principal's cabin has been done in the first phase as shown in figure no. 20.2. This will be extended to cover the entire Institute in the coming months. The lights in the corridors and toilet blocks are fitted with motion sensors.
- We have installed solar panels to power the street lamps installed along the pathway from the Institute to the main road as shown in figure no.20.1.



20.1 Solar powered Street Lamps



20.2 Automation

- Awareness creation is probably the most powerful of energy conservation techniques that can be used. By adopting the above methods, we are creating awareness for our students and employees. To this end, we have also celebrated the electricity week during which posters and banners regarding conservation of energy were displayed and a skit was conducted on the same theme. These activities increased awareness about energy saving among staff and students.
- ✓ **Use of renewable energy**
As a small step toward conservation of energy, we have installed solar powered street lamps along the pathway from the Institute to the main road. We have always encouraged our students to take up projects which explored the use of alternate energy sources. There have been many interesting projects which are based on renewable energy, wind energy etc.
- ✓ **Water harvesting**
A Ring well is built wherein all the drain water from roof tops are diverted for rainwater harvesting. Presently this water is used for gardening.

✓ **efforts for Carbon neutrality**

Use of energy efficient appliances and electrical audit of the building and subsequent installation of a 70 KVAR APFC panel to cut down on electricity usage and installation of solar powered street lamps are our efforts to reduce carbon footprint. Student and faculty engagement in projects which aim for energy conservation is also an effort in this direction. The remote control of Institute lighting is also a project pursued by students. Management has taken steps towards paperless transaction wherever feasible. All circulars and communication are online and use of paper is a minimum. We have developed online systems for admission, attendance monitoring, student feedback, a biometric system for staff attendance, HR and payroll etc. Awareness has been created so that printouts are taken on both sides of paper. All these measures coupled with the efforts for energy conservation, contribute towards a reduction in carbon footprint.

✓ **Plantation**

We have a butterfly garden behind the Institute main building. There is also a botanical garden —Vanaspatyamll on the same campus. The Green club of our Institute conducts tree plantation drives in the campus.

✓ **Hazardous waste management**

Chemicals and acids are stored only in the Chemistry and PCB lab. Good ventilation and adequate exhaust provision of these labs make it safe to work there. The chemical waste is neutralized before disposal.

✓ **e-waste management**

We encourage sister institutes to utilise the equipment and computers which are generated by us as a result of an upgrade or a syllabus change. A few old but usable computers were donated to tribal school adopted by the Somaiya trust. Electronic items which remain after the above procedure are recycled through an authorised e-waste management company.

Students are encouraged to design creative items from waste. A team of our students—have designed a few installations from e-waste to decorate Institute garden as shown in figure 20.3 and figure 20.4.

Fig. 20.3 Crocodile from Computer Keys



Fig 20.4 Best from Waste



Fig. 20.5 Waste to Wealth Project

Additional efforts: As the direct outcome of conducting a waste audit of the campus by an environment consultant, belonging to the ECO-ROX Group, we have started the composting of garden and canteen waste. A picture of this —Waste to Wealth project is given in figure no.20.5. Paper waste including shredded answer sheets is sold to a licensed purchaser. Metal scrap of the workshop is sold to scrap dealers. Electric Incinerator is provided in a ladies toilet for disposal of sanitary napkins.

Innovations

Details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

During the last four years, many innovations were introduced in academics and administration for the smooth functioning of the college.

- Google Classrooms: We are using open source learning management system like Google Classroom extensively. Every faculty has a Google Classroom for their subject or is part of the common classroom for a particular class. The classroom is used to upload lecture notes, PPT handouts, assignments, videos etc. There is provision to start a discussion in the classroom. Assignments are usually conducted as MCQs and online evaluation of these assignments are done using tools like Flubaroo.
- NPTEL Chapter: We have been awarded AA grade for performance in NPTEL Lectures. Institute has a repository of 8TB of NPTEL lectures. 417 students have enrolled for NPTEL lectures this semester.
- Transparency in assessment: Rubrics are created for assessment of project work, project presentation and project report and for laboratory work. This was felt necessary to bring regularity and uniformity in the assessment process and eliminate erratic allotment of marks. Rubrics are communicated to students to make them aware about the criteria for assessment. There is a framework for the continuous evaluation of students according to the prescribed rubrics. This has created a transparency in the evaluation of term work.
- Academic Audit: We have been conducting an internal academic audit for two years. This year, external academic audit has been initiated and we have found it extremely useful.

- Feedback: Online feedback of students is collected twice a semester regarding teaching learning process. Course exit survey is conducted online through Google classroom. This semester, module exit feedback is initiated after every unit in the syllabus for timely correction in teaching strategies.
 - Industry Institute Interaction and Research Activities: The III cell and R&D cell activities have brought in many MoU which have resulted in increased number of internships and live projects. We have collaborative projects with Somaiya Hospital and KIAAR
 - Creation of special interest groups: We have formed groups where students and faculty sharing a common interest work together e.g. e-Yantra, SDC, Cybersecurity cell etc. Students are encouraged and provided all facilities to
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- Participate in intercollegiate technical competitions. A project competition cell is constituted for this purpose. Entrepreneurship is given a boost with the help of E-Cell and RiIDL.
 - Library Services: The Google app which is available to every member of the Somaiya group and EBSCO Discovery services has made library access extremely convenient. Global common circulation model has enabled students to borrow books from any other Somaiya library in addition to KJSIEIT library. GATE and Aptitude practice software and NPTEL lecture repository are facilities available in the library. Regular updates are provided through email regarding latest arrivals and content of journals.
 - Google Apps for Education: The Institute has membership of GAFE and all Google services for education are available to us. Of special mention are Google Classroom and Gmail. Everyone in the Somaiya family has a somaiya.edu email account. This has enabled us, especially faculty and students to secure membership of educational websites and educational versions of software from multinationals for which an institutional ID is the basic requirement.
 - IQAC Website: IQAC has created a website to streamline information dissemination. All the formats for evaluation, course attainment, logbook, performance appraisal etc. is made available on this site. The site also contains information and links related to teaching-learning and accreditation.
 - Performance based appraisal system: The Institute has implemented the PBAS for self-evaluation of faculty which evaluates teacher's performance in teaching, research and extension activities.
 - Helping Hand fund for needy students: In addition to the scholarships provided by the Trust and the Institute, faculty members and students contribute every year to the 'helping hand fund' to support economically backwards but academically good students. This practice was initiated in 2010 and 87 students have benefitted from this till date.
 - Automation of Electric fans and lights: We have implemented the automation of the lights in the common areas like corridors and washrooms. The second phase which is automation of laboratories and classrooms has been initiated

and is allotted to student groups as project work. This gives both students and faculty the opportunity to work on live projects.

- RiiDL : RiiDL Somaiya Vidyavihar is an innovation centre and accelerator in the Somaiya Campus. Somaiya Vidyavihar has 36 institutions which comprises of around 36000 students and 1700 faculty. They are trying to create focused groups who work on solving real world problems, skill development projects and creating new ventures. Some of our students have availed services of RiiDI to file for patents, and to work on projects and participate in competitions like Maker Mela

Best Practices

Given below are two best practices of our Institute, which has contributed a great deal in implementing our mission.

Title of the Practice : NPTEL USAGE

Goal

- To supplement the student learning in classroom
- To help faculty to refresh their knowledge.
- To improve the profile of students through IIT certifications.

The Context

Faculty have always been referring to NPTEL lectures for refreshing their knowledge and for preparing for newly introduced subjects (e.g. MEMS) for which they did not have any background knowledge. We have always popularized MOOCS such as Coursera and EdX to enable students to obtain additional certification. The problems we faced were the random start dates of these courses and expensive certification. So when NPTEL, which relays courses conducted by venerable faculty from IITs and IISc, initiated certification for its courses, we took advantage of the opportunity and established a local chapter. The syllabus of NPTEL courses are designed specifically for students studying engineering in India. As the curriculum is almost the same in every college here in India. The start dates coincide with the semester dates of the University.

The Practice

It is a partnership between KJSIEIT and NPTEL. KJSIEIT is approved as an NPTEL Local chapter from 2015. The Institute has a cache of 8 TB of NPTEL data which includes video and web courses. This is accessible to everyone in the Institute through the intranet. The course enrollment and learning is free and certification costs a nominal fee. The courses are of duration 10, 20, 30 or 40 hrs. Lessons and assignments are released every week. Also there is a discussion forum in which students can interact with the faculty member directly. At the end of the course, online exam is conducted for those who have opted for certification and the student gets a grade based on their performance in assignments and online examination.

There is a professor who acts as a single point of contact (SPOC) for IIT. We have constituted a team of faculty representatives from each department, who coordinate with NPTEL. These faculty members are responsible for publicity and enrolment. A faculty mentor of our Institute is assigned to every subject enrolled by the students. It is mandatory for the mentor to enroll for the course and attempt the assignments. Appearing for the final exam is optional for the mentor.

Title of the Practice: Institute Social Responsibilities

Goal

- To enrich the learning experience of students.
- To instill the values of responsibility and empathy in our students.
- To use technology and expertise to address societal problems

The Context

Social responsibility is taken seriously by the management and leadership of KJSIEIT and we try our best to orient our students to be responsible citizens of the country. Late Shri K.J Somaiya, the founder of our group of Institutions, has received Padmabhushan for his contribution to society. We try to impart the concept of service to humanity and one of our missions is to inculcate ethical behavior, responsibility and commitment among students. In addition to proficiency in academics, we want our students to be agents of social change and find solutions to social problems.

The Practice

We have many activities lined up under Institute Social Responsibility. The institute reserves fund to support many of these social and extracurricular activities.

Training for rural children:

The future of any nation lies in its children. If we are able to introduce children from rural India to the advancement in technology, it is a service we are doing to the nation. Faculty and students of our Institute under the leadership of Dr Vaishali Wadhe conduct robotic training for school children in tribal and rural areas. Students and faculty of our Institute have conducted a workshop on PC assembly, mixer grinder assembly and robotics. This started initially as —TOD-FOD-JODII conducted in 2013- 2014 with schools of Somaiya trust in the tribal and rural areas of Thane district and of Karnataka state and has now extended to underprivileged children of schools outside the trust. For example, a workshop robotics training level 1 and 2 was organised for school students from Karmaveer Bhaurao Patil Marathi and English medium school, Pratiksha Nagar, Mumbai on 14th Aug 2016. KJSIEIT holds a Robo festival cum Competition to test the proficiency of these children in the month of June /July every year since the past two years.

NSS activities:

The NSS unit of our institute was started in 2015. Mentioned below are some of the activities conducted by NSS:

a) CPR(cardio Pulmonary Resuscitation) Training

CPR training was organised by NSS and K.J Somaiya College of Nursing for students on 29th September 2015. The aim was to build the confidence and develop skills to handle cardiac emergencies.

b) Swachh Bharat Abhiyan at Chunabhatti railway station

It was a four-day program from February 29- March 3, 2016, and a small step in contributing towards an initiative taken by our honourable Prime Minister to make our country free of litter, dust and pollution. It commenced with a street play performed to enlighten others about cleanliness, water conservation and waste management. A similar event was again conducted on 2nd October 2015 at the same venue. The same has been shown in figure no.20.6.

c) Hamara Station Hamari Shaan

The project of Hamara station Hamari Shaan was conducted for 7 days from 2nd October -8th October 2016 at Kurla station in co-operation with Railway. The aim of the event was to make the station more attractive and beautiful.

Wall painting

competition was conducted among the participants to create awareness on social and environmental issues. The theme was educating the girl child. Students and staff have participated in the event. This was done in association with "Make a Difference" NGO. The wall painting competition at Kurla station is showcased in figure no.20.7.



Fig. 20.6 Swatch Bharat
Abyan at Chunabatti Station

Fig 20.7 Hamara Station
Hamara
Shaan at Kurla
Station

d) Camps

Till date, two camps have been conducted. The first camp was conducted from 22nd – 28th December 2015 at Nareshwadi Learning centre, Dhanu which is a tribal region, to raise awareness about water harvesting, cleanliness and hygiene. Students examined and repaired old computers as well as taught the school children various topics in subjects like mathematics, Science and English of 8th, 9th and 10th standard. They organised drawing competition, chart exhibition etc. for the students.

The second NSS camp was conducted with the same objectives in addition to education and welfare of women at Towerwadi which is in Raigad district of Maharashtra state. The Camp helped to exchange ideas, share experiences through interaction with villagers. The camp was held from 26th December to 2nd January 2017. Our NSS has adopted this village for a period of three years from 2016- 2019. We have also celebrated Republic Day with them on 26th January 2017. Around 20 students participated in the flag hoisting and programs which included patriotic songs, a presentation on higher education, short film etc.

Road Safety Campaign

A public survey on road safety was conducted from 12-15th January 2016 at Rani Laxmibai Chowk, King's Circle Sion. The objective was to engage the community and help to change the careless and unsafe behaviour of people with respect to traffic regulations. Students also conducted an awareness drive on road safety and traffic control at Khodadad Circle, Dadar. They spoke to the public and also road safety officers regarding the same. They also helped the traffic police in managing

the traffic and interacted with onlookers, vehicle owners, public transport drivers.

e) **Electricity Week in the Institute:**

Posters and banners about energy conservation and sustainable methods were displayed in the Institute premises. An exhibition of the same was conducted. A skit was presented in the college auditorium on the theme.

Other activities conducted are Blood donation camps, Nasha Mukti Maharashtra Rajya Rally to create awareness on substance abuse, Voters awareness drive etc.

Activities by professional bodies and student council

The student's council along with NSS unit of KJSIEIT has arranged for donation boxes for the donation of unused or unexpired medicines, stationary items, books etc. to the underprivileged. The medicines will be donated to Manav Jyot, a charitable trust. The stationary and books will be donated to Arambh NGO. The IET student chapter organises an awareness campaign in schools to educate them about engineering education and what to expect in different branches of engineering. They carry out this as an activity called Nurturing intelligence of curious engineers (NICE).CSI chapter has carried out a cleanliness drive at Juhu beach.

Other activities initiated by faculty and students

Students are working on Teach for India NGO's initiative to extend education to all. The initiative focuses on surveying and analyzing data constructively to identify lack of resources and to ensure their timely availability.

All the staff members of the institute have donated one day salary to the Prime Ministers Relief Fund to support the people affected by the tragedy in Uttarakhand in 2013. We encourage final year students to take up projects of social relevance