



K J Somaiya Institute of Engineering And Information Technology.



Somaiya Ayurvihar Complex, Eastern Express Highway, Sion (E), Mumbai -400022

Annual Quality Assurance Report 2017 – 2018



email: principal.tech@somaiya.edu
Website: www.somaiya.edu/kjsieit/
Phone: +912224061401

PART – A

1. DETAILS OF THE INSTITUTION

1.1 Name of the institution

K J Somaiya Institute of Engineering and Information Technology

1.2 Address

Address Line 1

Somaiya Ayurvihar Complex, Eastern Express Highway
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Address Line 2

Near Everard Nagar, Sion

City/Town

Mumbai

State

Maharashtra

Pin Code

400 022

Institution e-mail

principal.tech@somaiya.edu

Contact Nos.

91-22- 24061403 / 24061404

**Name of the Head of the
Institution:**

Dr. Suresh Kisanrao Ukarande

Tel. No. with STD Code:

91-22- 24061403 / 24061404

Mobile:

9820555761

Name of the IQAC Co-ordinator: Mrs. Vrinda Ullas

Mobile: 9819181645

IQAC e-mail address: iqac.tech@somaiya.edu

1.3 NAAC track id

MHCOGN27190

1.4 NAAC executive committee no. &date :

EC(SC)/28/ A&A /99.1 dated 30/10/2017

1.5 Website address:

<https://kjsieit.somaiya.edu/kjsieit>

Web-link of the AQAR:

<https://kjsieit.somaiya.edu/kjsieit/administration/IQAC>

1.6 Accreditation details

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	A	3.21	2017-2018	from:30/10/17 to: 29/10/22
2 nd	--	--	--	from: to:
3 rd	--	--	--	from: to:
4 th	--	--	--	from: to:
5 th	--	--	--	from: to:

1.7 Date of establishment of IQAC : DD/MM/YYYY

04/02/2015

1.8 AQAR for the year (for example 2010-11)

2017-2018

1.9 Details of the previous year's AQAR submitted to NAAC after the latest assessment and accreditation by NAAC

- i. AQAR _____ NA _____ (DD/MM/YYYY)
- ii. AQAR _____ NA _____ (DD/MM/YYYY)
- iii. AQAR _____ NA _____ (DD/MM/YYYY)
- iv. AQAR _____ NA _____ (DD/MM/YYYY)

1.10 Institutional status

University	State	<input checked="" type="checkbox"/>	Central	<input type="checkbox"/>	Deemed	<input type="checkbox"/>	Private	<input type="checkbox"/>
Affiliated College	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Constituent College	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Autonomous College of UGC	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Regulatory Agency approved Institution	Yes	<input checked="" type="checkbox"/>	(AICTE)	No	<input type="checkbox"/>			
Type of Institution	Co-education	<input checked="" type="checkbox"/>	Men	<input type="checkbox"/>	Women	<input type="checkbox"/>		
	Urban	<input checked="" type="checkbox"/>	Rural	<input type="checkbox"/>	Tribal	<input type="checkbox"/>		
Financial Status	Grant –in-aid	<input type="checkbox"/>	UGC 2(f)	<input type="checkbox"/>	UGC 12B	<input type="checkbox"/>		
	Grant-in-aid + Self Financing	<input type="checkbox"/>	Totally Self-financing	<input checked="" type="checkbox"/>				

1.11 Type of faculty/programme

Arts Science Commerce Law PEI (Phys Edu)
TEI (Edu) Engineering Health Science Management

Others (Specify)

1.12 Name of the affiliating university (for the colleges)

1.13 Special status conferred by central/ state government-- UGC/CSIR/DST/DBT/ICMR etc.

Autonomy by state/Central Govt./University

University with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes

Any other (Specify)

UGC-COP Programmes

2. IQAC COMPOSITION AND ACTIVITIES

2.1 No. of teachers

12

2.2 No. of administrative/technical staff

02

2.3 No. of students

01

2.4 No. of management representatives

-

2.5 No. of alumni

01

2.6 No. of any other stakeholder and community representatives

--

2.7 No. of employers/ industrialists

01

2.8 No. of other external experts

01

2.9 Total no. of members

19

2.10 No. of IQAC meetings held

04

2.11 No: Of Meetings With Various Stakeholders:

NO Faculty
Non-Teaching Staff Students Alumni Others (parents)

2.12 has IQAC received any funding from UGC during the year?

Yes No

If yes mention the amount

2.13 seminars and conferences (only quality related)

(i) No.of Seminars/Conferences/Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

1. Training on smart board 18th August 2017
2. Seminar On Criteria 3 of NBA 17 Jan 2018
3. Seminar on Target calculations for course attainment 20th Jan 2018
4. Seminar on Target calculations for course attainment 20th Jan 2018
5. Seminar on NAAC RAF 3rd Feb 2018
6. Introduction to the tool for attainment calculations 15th Feb 2018
7. Workshop on Jigsaw method of cooperative learning 3rd Feb 2018
8. Two day workshop on Outcome based education May 7th and 8th 2018

2.14 Significant activities and contributions made by IQAC

- Achieved A grade in NAAC with 3.21 CGPA in October 2017
- Applied for NBA on 13th June 2018
- Induction programme for FE students
- Seminar on research paper writing for BE students
- Training programmes for teachers on smart board
- Quality Audit for course and program attainment
- DQC audit of question paper before every term test
- Participation in Green Campus Initiative by AICTE
- Participation in AISHE and NIRF

2.15 Plan of action by IQAC/outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
1. To train the faculty, students and Non-teaching staff to face the NAAC committee in September 2017.	1. Received A grade in NAAC with 3.21 CGPA 2. All criteria coordinators and IQAC coordinator conducted a series of seminars to appraise everyone about the different facets of NAAC 3. Conducted Mock Audit in August 2017
2. To initiate preparation for accreditation by NBA	1. Prequalifier of NBA will be submitted by August 2018. 2. Preparations in full swing to submit SAR in September 2018
3. To appraise faculty about latest developments in accreditation	1. Seminar on NAAC RAF 2. Seminar On Criteria 3 of NBA 3. Two day workshop on Outcome Based Education
4. To improve the outcomes and attainment of courses	1. Developed a new improved automated tool for course outcome and program outcome calculations 2. Conducted workshops to introduce faculty to the tool and to reinforce the concepts. 3. Conducted audit of outcome assessment for all departments 4. DQC conducts question paper quality assessment every semester.

* Attach The Academic Calendar Of The Year As Annexure. Please Refer Annexure -I

2.16 Whether the AQAR was placed in statutory body

Yes No

Management Syndicate Any other body

Provide the details of the action taken:

AQAR was approved by the governing body and is uploaded on the college website.

CRITERION – I

1. CURRICULAR ASPECTS

1.1 Details about academic programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of Self-financing programmes	Number of value added / Career Oriented
PhD	--	--	--	--
PG	--	--	--	--
UG	04	--	04	--
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	--	--	--	--
Certificate	--	--	--	--
Others				
Total	04	--	04	
Interdisciplinary	--	--	--	--
Innovative	--	--	--	--

1.2 (I) Flexibility of the curriculum: CBCS/CORE/ELECTIVE OPTION / OPEN OPTIONS

(II) Pattern of programmes:

Pattern	Number of Programmes
Semester	04
Trimester	--
Annual	--

1.3 Feedback from stakeholders

Alumni Parents Employers Students

(On all aspects)

Mode of feedback: Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure: Please refer to Annexure II*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Our College is affiliated to University of Mumbai hence we follow the syllabus prescribed by University of Mumbai. University of Mumbai had revised the syllabus from the A.Y. 2012-13 with Credit and Grading system. It was made effective from A.Y 2012-13, 2013-14, 2014-15 and 2015-16 to First year, Second Year, Third year and Final year respectively. The credit system is as follows:

1 hour Lecture – 1 Credit, 1 hour Tutorial – 1 Credit, 1 hour practical – 0.5 Credit.

University of Mumbai again revised syllabus with Choice based Credit System from the A.Y 2016-17 onwards. It was made effective from A.Y 2016-17, 2017-18, 2018-19 and 2019-20 to First year, Second Year, Third year and Final year respectively.

The Department level optional courses (DLOC) were introduced in Semester 5, Semester 6, Semester 7 and Semester 8, whereas institute level optional courses introduced in Semester 7 & 8 which are generic in nature.

In 2017-18, the Second year syllabus was modified. The total number of credits for a program is between 180-200. One lecture hour is one credit. One practical hour is 0.5 credit. Miniprojects are a part of many of the courses as per the new syllabus. This has given an incentive to project based learning.

1.5 Any new department/centre introduced during the year. If yes, give details.

Nil

CRITERION – II

2. TEACHING, LEARNING AND EVALUATION

2.1 Total no. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
74	67	-	4	Principal

2.2 No. of permanent faculty with Ph.D.

12

2.3 No. of faculty positions recruited (R) and vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
*	--	02	12	01	02	Adhoc-10 1-visiting	-	14	14

**we need total 54 assistant professor and we have 67 on roll(excess 13)*

2.4 No. of guest and visiting faculty and temporary faculty

--	01	13
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	56	3	-
Presented papers	56	3	-
Resource Persons	-	-	-

2.6 Innovative processes adopted by the institution in teaching and learning:

Teaching - Learning Methods	Innovations
<i>ICT Driven Learning</i>	<p>The College adopts OBE as well as ICT enabled teaching, learning and evaluation process and has created a new learning environment and prospect to students.</p> <p>Teaching and learning made affective by using following tools.</p> <ol style="list-style-type: none">Video lectures are prepared by few faculty and uploaded on websiteAnimated video presentation in the classroomLanguage lab is made availableOnline MCQ tests conductedPre lab videos prepared by faculty members is uploaded in Google classroomNPTEL videoSmart classroom
<i>Interactive Learning</i>	<ol style="list-style-type: none">Seminars and presentationsDebatesJig saw method
<i>Project based Learning</i>	<ol style="list-style-type: none">Development boards are prepared for few subjects and this is sponsored by collegeMini projects introduced by Mumbai University in many subjects

2.7 Total no. of actual teaching days during this academic year

180 days.

2.8 Examination/ evaluation reforms initiated by the institution (for example: open book examination, bar coding, double valuation, photocopy, online multiple choice questions)

- Online MCQ tests and online evaluation is adopted by most teachers for internal assessment.
- There is a complete set of rubrics developed for project evaluation. The presentation is held 4 times in a semester.
- Rubrics are developed for laboratory evaluation and continuous assessment is carried out. The term work grades are obtained automatically based on the continuous evaluation.
- We also calculate the attainment level of course outcomes for all subjects.
- DQC of department checks the term test question papers to ensure compliance to the declared course outcomes and blooms taxonomy level.

Exam Cell has separate web site for online Examination form filling as https://www.somaiya.edu/kjsieit/administration/EXAM_CELL.

Transparency and security of evaluation system is ensured:

- To eliminate the possibility of leakage of question papers, Digital Electronic Paper Delivery System (DEPDS) has been designed by University of Mumbai. In this, question paper is made available on the portal 90 minutes before commencement of paper. Question paper is obtained by authorized person through three tier securities as ID and password, OTP on authorized mobile and face recognition of authorized person. Principal, In-charge Exam Cell and two persons appointed by Principal are authorized persons to download question paper.
- After collection, answer books are masked and coded by hand to ensure security.
- Transparency and security is highly maintained during result preparation. Data entry is carried out under CCTV surveillance. Data entry operator enters marks directly from answer books in to result preparation software on password protected PC. In charge of Exam Cell verify final gazette (mark sheet) with individual subject mark sheets. After signing by Principal, the final gazette is send to the University for verification by University’s moderation committee.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/faculty/curriculum development workshop

01 BoS Member	30 faculty as resource person for syllabus revision	All faculty attended orientation organized by Mumbai University for their respective subjects
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2.10 Average percentage of attendance of students

78%

2.11 Course/programme wise distribution of pass percentage :

The results of all programmes and semesters are given in annexure III.

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I%	II%	III%	Pass%
Computer Engineering BE (VIII)	81	76.54	16.05	41.97	7.407	97.53

Electronics and Telecommunication BE (VIII)	147	23.81	31.29	6.80	0	80.95
Electronics Engineering BE (VIII)	71	32.39	45.07	22.53	0	95.77
Information Technology BE (VIII)	80	66.25	31.25	0	0	97.51

2.12 How does IQAC contribute/monitor/evaluate the teaching & learning processes :

The contribution of IQAC towards teaching-learning process can be summarised as follows:

- One of the initial contributions of IQAC has been to create rubrics 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 inconsistent allotment of marks. IQAC also created a logbook for documenting the work done and included the rubrics as part of the log book to communicate the assessment criteria to students.
- This year we improved upon the idea and included the assessment matrix as cover page for laboratory experiments. This has made the assessment process extremely transparent and also makes it clear to the student why they have been graded in a particular way.
- On the insistence of IQAC, Bloom's taxonomy is incorporated in the teaching plan and question paper.
- IQAC has provided a format for calculating the course outcome attainment.
- IQAC has also created a framework for the continuous evaluation of students according to the prescribed rubrics. This has created a transparency in the evaluation of term work.
- IQAC has advocated the creation of program articulation matrix for the departments to evaluate the attainment of program outcomes.
- To enable faculty to adapt to the changes, IQAC has organised as well as conducted training programs on all the above processes and on the importance of accreditation.
- The IQAC has been instrumental in improving the use of ICT by faculty. Majority of the faculty are using Google Classrooms for teaching.
- IQAC also conducts an internal audit of course files and has made concrete efforts towards implementing outcome-based education, thereby supplementing the activities of the academic committee.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	NIL
UGC – Faculty Improvement Programme	NIL
HRD programmes	1
Orientation programmes	5
Faculty exchange programme	NIL

Staff training conducted by the university	NIL
Staff training conducted by other institutions	01
Summer / Winter schools, Workshops, etc.	20
Others	-

2.14 Details of administrative and technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	41	--	--	--
Technical Staff	27	--	--	--

CRITERION – III

3. RESEARCH, CONSULTANCY AND EXTENSION

3.1 Initiatives of the IQAC in sensitizing/promoting research climate in the institution

- The College has a research and consultancy committee headed by Dean, Research and development which encourages and facilitates faculty members to apply for the various grants funded by the various agencies. It undertakes the responsibility of forwarding the project proposals.
- Students and teachers are encouraged to participate in Avishkar- research convention which is an inter university state research convention conducted by University of Mumbai.
- Students participate and win Inter-university/ State level at Avishkar ,national competitions like Robocon, etc..
- Teaching faculty members are encouraged to apply for QIP under UGC scheme.
- The laboratory facilities are made available to the faculty to carry out their research work.
- Undergraduate students have mini and major projects as part of curriculum.
- Seminar on project proposal submission was organised

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	Nil	Nil	Nil	02
Outlay in Rs. Lakhs	Nil	Nil	Nil	35

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	Nil		4	
Outlay in Rs. Lakhs	Nil		1.35	

3.4 Details on research publications

	International	National	Others
Peer Review Journals	53		
Non-Peer Review Journals	17	1	
e-Journals	Nil		
Conference proceedings	30	02	

3.5 Details on impact factor of publications

Range	--	Average	04	h-index	3	Nos. in SCOPUS	-
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3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year 2017-18	Name of the funding Agency	Total grant sanctioned	Received
Major projects	Nil	Nil	Nil	Nil
Minor Projects				
ETRX	2017-18	UoM	30,000	30,000
EXTC	2017-18	UoM	25,000	25,000
IT	2017-18	UoM	30,000	30,000
COMP	2017-18	UoM	45,000	45,000
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
ETRX	2017-18	KJSIEIT	92046	92046
Students research projects (other than compulsory by the University)				
ETRX	2017-18	KJSIEIT	57046	57046
Any other(Specify) Collaborative Projects				
Branch	Year	No. of. Project	Status	
ETRX	2017-18	2	Completed	
EXTC	2017-18	4	Completed	
COMP	2017-18	4	Completed	
Total		10	Completed	

3.7 No. of books published

i.	With ISBN No	Nil
ii.	Without ISBN No	Nil
iii.	Chapters in Edited Books	Nil

3.8 No. of university departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges

Autonomy CPE DBT Star Scheme

INSPIRE

CE

Any Other (specify)

3.10 Revenue generated through consultancy

Details of Project	Completed	Ongoing	Outlay in Rs. Lakhs	Agency
Kisan Khazana - Version 2	Completed		46 (Version1+2)	Godavari Biorefineries Ltd
HEWF-Admin Panel		Ongoing		Godavari Biorefineries Ltd
Examination Management software		Ongoing		K.J.Somaiya College of Arts and Commerce, Ghatkopar

3.11 No. of conferences organized by the institution

Level	International	National	State	University	College
Number	1				
Sponsoring agencies	The IET and University of Mumbai				✓

3.12 No. of faculty served as experts, chairpersons or resource persons

Resource Persons	Institution
Mrs. Shyamal Virnodkar , Mrs.Kavita Bhate and Mrs. Mrunali Desai	Shah & Anchor college of Engineering, Thadomal Shahani College of Technology, Mumbai
Mrs. Vrinda Ullas	P. Vasanthdada Patil COE, Chunabhatti, Mumbai

3.13 No. of collaborations:

International

National

Any other

3.14 No. of linkages created during this year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Participant
IT				
Project work	Big-data and Hadoop	Cognito IT Consulting Pvt LTD.	15th June 2017 to 15 April 2018	6

COMPUTER ENGINEERING				
Project LHCInfo O20	CMS Framework	TIFR,Mumbai	15th June 2017 to 14th June 2018	1
Project Work	Web technology	Xportify Technologies Pvt Ltd,Mumbai	27thDec 2017 to 31st Jan 2018	1
Project work	Data Science	Unifynd, Mumbai	18th septmeber to 31st march 2018	1
Project work	Web technology	Vrajati Tours and Travels, Mumbai	27th dec 2017 to till date	1
Project Work	-	EMU Kurla carshed, Kurla	1st jan 2018 to 6th jan 2018	4
Project Work	Web designing in hospital management	Microcare diagnostic & Health centre, Mumbai	15th Dec to till date	4
Project Work	Data Science	We love startups	7th March to 5th June 2018	1
Project Work	Service Validation	Reliance Jio Infocomm Ltd	1st June to 30th June 2018	16
ELECTRONICS ENGINEERING				
Internship	Manufacturing	Grapevine	15th August 2017 to 31st June 2018	1
Internship	Others	central Railway	18th December to 22nd December 2017	11
Internship	Others	central Railway(EMU Carshed Sanpada)	18th December to 25th December 2017	6
Internship	Others	Central Railway(EMU Carshed Sanpada)	20th December 2017 to 5th January 2018	3
Internship	Others	central Railway	26th December to 30th December 2017	7
Internship	Others	central Railway	1st January to 6th January 2018	5
Internship	Others	Central Railway(EMU Carshed kurla)	25th June to 30th June 2018	9
Internship	Others	Central Railway(EMU Carshed kurla)	18th June to 23rd June 2018	1
Internship	Manufacturing	Grace Communication, Kandivali	12th June to 3rd July 2018	1
Internship	Manufacturing	Fermedicius IISC Bangalore	16th June to 9th August 2018	1
Internship	Reliance Electronics	Reliance Electronics, Nashik	13-06-18 to 13-07-18	1

Internship	Railway Internship	Central Railway, Kurla	June-July-2018 (1-Week)	38
Internship	Railway Internship	Western Railway, Mumbai Central	02-07-18 to 08-07-18	11
Internship	Railway Internship	Central Railway, CST, Mumbai	18-06-18to 22-06-18	7
Internship	Railway Internship	Central Railway, Sanpada, Navi Mumbai	05-06-18 to 11-06-18	9
Internship	Education Iip	RoboWizards Education, malad	20-12-17 to 20-03-18	1

3.15 Total budget for research for current year in lakhs:

From funding agency	Nil	from management of University/College	10.8
Total	10.8		

3.16 No. of patents received this year

Type of Patent	Department		Details of Patent	Number
National	Computer /Electronics Engineering	Applied	Patent on "Method & System for Providing Instructions of Operating an Electronic Machine in Preferred Language" Published in Patent Office Journal with Application No: 201721044240	2
	Computer Engineering	Applied	Patent on "Artificial Intelligence Based Smart Cooking System" Published in Patent Office Journal with Application No: 201721044239	
	Electronics and Telecommunication Engineering	Applied	"Microstrip Fed Microstrip Array Antenna" , Application number 201821010896 , date : 29/11/2017	1

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
--	--	--	--	--	--	--

3.18 No. of faculty from the institution who are Ph. D. guides and students registered under them

Department	Name of faculty	Name of student who are doing PhD under this faculty
ETRX	Dr. M. U. Nemade	Mr. Nilesh Patil, Mr. Atul Narkhede, Mr. Ramesh Shelke
EXTC	Dr. Jayashree Khanapuri	Mansingh Rathod , Sarita Ambadekar, Prakash M.
BSH	Dr. Suresh Ukarande	Asif Mazar Ansari , Girish B. Mahajan ,Narayan G Gore , Namdeo J Ravkale,Arun Chopra
	Dr. Harsha Mishra	Mr. Rajesh Barade

3.19 No. of Ph.D. awarded to faculty from the institution

Name of the Department and Faculty	No. of Ph. Ds Awarded
EXTC (Prof. Namrata Ansari)	1
BSH (Dr. Shahin Pathan)	1

3.20 No. of research scholars receiving the fellowships (newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students participated in NSS events:

University level State level
 National level International level

3.22 No. of students participated in NCC events:

University level State level
 National level International level

3.23 No. of awards won by NSS:

University level	<input type="text" value="--"/>	State level	<input type="text" value="--"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.24 No. of awards won in NCC:

University level	<input type="text" value="--"/>	State level	<input type="text" value="--"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.25 No. Of Extension Activities Organized: As Given In NSS Events

University forum	<input type="text" value="--"/>	College forum	<input type="text" value="--"/>
NCC	<input type="text" value="--"/>	NSS	<input type="text" value="07"/>
		Any other	<input type="text" value="05"/>

3.26 Major Activities during The Year In The Sphere Of Extension Activities And Institutional Social Responsibility

Date	Activity	Venue
By Robotic Cell which conducts classes for underprivileged children		
June 22-23,2017	Two Days Workshop Robotics Training on Level-1 Robot, Level-2 Robot and Quad copter for the student of 7th, 8th and 9th Grade	Sharada Vidya Mandir, Kopargaon, Somaiya Vidya Mandir, Lakshmiwadi, Kopargaon, and Somaiya Vidya Mandir Sakharwad, Kopargaon , all at dist. Ahmednagar
June 28-29, 2017	Two Days Workshop Robotics Training on Level-1 Robot, Level-2 Robot and Quad copter for the student of 7th, 8th and 9th Grade	K. J. Somaiya Secondary School, Nareshwadi, Dist:- Palghar
July 27-28, 2017	Two Days Workshop Robotics Training on Level-1 Robot, Level-2 Robot and Quad copter for the student of 7th, 8th and 9th Grade	The Somaiya School, Vidyavihar and Somaiya Vinay Mandir (Gujarati Medium) Ghatkopar , Mumbai
NSS Activities		
Jan 10-16, 2018	Road safety week	Churchgate, Mahalaxmi railway station
Jan 19 th ,2018	Work shop Master Trainer under SAGY	Vishwakarma Institute of Technology Pune

Jan 26 th , 2018	Republic Day celebrations	Towerwadi, Taluka Panvel, dist. Raigad
Jan 26 th -Feb 28 th 2018	Health Project in Towerwadi	Towerwadi Taluka Panvel, dist. Raigad
Jan 27 th , 2018	(SWACHHTA Abhiyan) Sion Station	Sion railway station, Mumbai
Dec 2 nd , 2017	Sankalp 2018 Gender Equality	Lala Lajpatrai college of commerce and economics MahaLaxmi, Mumbai
Feb 19 th -20 th 2018	Disaster management	(BMC Mumbai)
By Student Council and NSS		
August 2017	Donation drive for under privileged	
Helping hand activity: Once a year faculty and students amasses a corpus for financial help to needy students.		

CRITERION – IV

4. INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
<i>Campus area</i>	<i>6029 Sqm.</i>	<i>1117 Sqm.</i>	<i>management</i>	<i>7146 Sqm.</i>
Class rooms	16		Tuition Fee and College Development fund	16
Laboratories	34	--		34
Seminar Halls	1	1		2
No. of important equipment purchased (\geq 1-0 lakh) during the current year.	36	2		2
Value of the equipment purchased during the year (Rs. in Lakhs)		26.03		26.03
Others a) computer b) furniture	--	a) 37.9 b)38.02		75.92

4.2 Computerization of administration and library

Somaiya Vidyavihar IT department has a Data Centre on Somaiya Vidyavihar Campus for all institutions under the Somaiya Trust. The Centre has a team of dedicated IT professionals who have developed software for the Institute. Besides faculty in the colleges also have contributed need based software solutions for the Institute.

Administration:

- The IT department has developed a MyAccount portal which is utilized for the organization and management, personnel management. Faculty and students can view the details regarding admissions, library, hostels, scholarships etc. through this portal. Also students can apply online for the railway concession.
- All the admissions are being done on-line and the students can also pay registration fee using the credit / debit card. The merit lists are generated from the software and are displayed on the college website. All the relevant circulars / notices are also displayed on the website.
- Reviews, feedbacks, results and attendance reports are generated through the softwares. We communicate the attendance of the students to the parents by emails generated by the software. Preparation of Roll calls and generation of Hall tickets is done using software.
- Biometric system of attendance is used in College to record the daily attendance

(Arrivals/Departure) and various reports are being generated with its help. This is integrated with a software to keep track of leave availed, salary etc. Leave applications are also processed online.

- We have software that allows calculation of Outcome achieved by a subject and obtained by a particular student.

Library:

- Library is automated {Integrated Library Management System -ILMS}
- The Book Worm software tailor-made for library use has been created by Data Centre. The OPAC system allows us to reserve and renew books online. It is available on <http://opac.somaiya.edu> . It not only displays number of copies of the books, but also gives exact location of every book in KJSIEIT Library. Renewal and reservation of books can be done online. Bookworm Software and RFID identity card has enabled automation of issue procedure.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (in lakhs)	No.	Value (in lakhs)	No.	Value (in lakhs)
Text Books	15575	50.90	339	1.54	15914	52.44
Reference Books	2532	10.90	NIL	NIL	2532	10.90
e-Books	10000 NDL	-			10000 NDL	-
Journals	43	1.79	43	0.39		2.20
e-Journals	500+	33.71	500+	2.18	500+	35.90
Digital Database			DELNET	0.13		0.13
CD & Video	2000+				2000+	
Others (specify)	IETE Life membership	0.5	IITB Central Library, DELNET	0.35		0.48

4.4 Technology upgradation (Overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	679	19 labs	All	01 centre and 10 PC	02 centers and 40 PC's	54 PC	605 pc's	-
Added	092	--	All	-	--	02 PC	70 pc's	-
Total	771	19 labs	All	01 one centre and 10 PC	02 centers and 40 PC's	56 PC	675 pc's	-

4.5 Computer, internet access, training to teachers and students and any other programme for technology upgradation (networking, e-governance etc.)

1. Bandwidth available of internet connection in the Institution (Leased line) 150 MBPS.

2. Facility for e-content:

Name of the e-content facility	Remarks
NPTEL	The videos are available at 192.168.3.9:8889
Innovative teaching learning of departments	<ol style="list-style-type: none"> https://kjsieit.somaiya.edu/kjsieit/academic/department/20/electronics_engineering#innovative_teaching_learning https://kjsieit.somaiya.edu/kjsieit/academic/department/19/electronics_telecommunication_engineering#innovations_in_teaching
KJSIEIT YouTube channel	https://www.youtube.com/channel/UCkXnJIsYqjO5Op8Ry6fAnA

Training on Technology:

- Seminar on Bitcoin for students conducted by IETE
- Introduction to the tool for attainment calculations
- Training on smart board

4.6 Amount spent on maintenance in lakhs :

i) ICT	21.48
ii) Campus Infrastructure and facilities	67.13
iii) Equipment	19.28
iv) Others	11.54
Total :	119.43

CRITERION – V

5. STUDENT SUPPORT AND PROGRESSION

5.1 Contribution of IQAC in enhancing awareness about student support services

- The prospectus of the Institute is available on website and has the details about the admission process, fee-structure, courses offered, scholarships, various college committees, rules and regulations of the college etc.
- The information about various events to be organised and examination schedule is displayed on a monitor and also on the website of the college.
- Induction programme for First Year students of undergraduate was organised to give the students information about the support system, examination reforms etc.
- A presentation was given to students regarding all student support facilities in the auditorium, by the IQAC coordinator.

5.2 Efforts made by the institution for tracking the progression

- Maintaining proctor system, tracking the progress of students in terms of attendance, academic result and placement.
- Alumni coordinators keep the records of alumni and meetings. Alumni meets are organised yearly.
- Regular feedback from current and outgoing students.

5.3

(a) Total Number of students

UG	PG	Ph. D.	Others
1412			

(b) No. of students outside the state

42

(c) No. of international students

--

	No	%		No	%
Men	1047	74.15	Women	365	25.85

Last Year(17-18)						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1222	50	01	139	05*	1412	1164	52	00	104	05*	1320

*3 physically challenged students belong to OBC category and 2 to open category. They are not added to total

Demand ratio - **Centralised admission of DTE**

Dropout % - **1.06%**

5.4 Details of student support mechanism for coaching for competitive examinations (if any)

Conducted finishing school for students to face the competitive exam and placement activity are conducted by placement team to help students crack the aptitude tests.

No. of students beneficiaries

68

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT
IAS/IPS etc. State PSC UPSC Others

GRE: 24
TOFEL: 21
IELETS: 15

5.6 Details of student counselling and career guidance

1. For career guidance conducting various presentations by training placement section.
2. Aptitude tests are conducted during T &P hour
3. Finishing school activity is organized to make carrier guidance and how to crack aptitude test for company

No. of students benefitted

All SE,TE and BE students for 1 and 2 , 68 for item 3

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
34	45(IT)+80(EXTC)+31(ETRX)+64(COMP)=220	168	18

5.8 Details of gender sensitization programmes

- Women's day celebrations are carried out. Principal and Vice-principal and other members of women's development cell spoke on various topics related to gender sensitivity. It was highly appreciated by everyone. It was resolved to conduct self-defence classes for the girl students.
- NSS students have attended Sankalp -2018 Gender Equality seminar at Lala Lajpatrai college of commerce and economics, Mahalaxmi, Mumbai.

5.9 Students activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in sports, games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and financial support

	Number of students	Amount
Financial support from institution	10	568359
Financial support from government	121	10614051
Financial support from other sources	16	511100
Number of students who received International/ National recognitions	30(national)	--

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

1. The building of a new hostel has commenced.
2. Work has commenced on the new canteen.

CRITERION – VI

6. GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 State the vision and mission of the institution

Vision of the Institute

To be universally accepted as a synonym of quality, excellence and commitment in the field of engineering education by nurturing talent and transforming young minds to realise their potential and become future ready engineers.

Mission of the Institute

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

6.2 Does the institution has a management information system

Somaiya Vidyavihar IT department has a Data Centre on Somaiya Vidyavihar Campus for all institutions under the Somaiya Trust. The Centre has a team of dedicated IT professionals who have developed software for the Institute. Preparation of Roll calls and generation of Hall tickets is done using software.

- The IT department has developed a MyAccount portal which is utilized for the organization and management, personnel management. Faculty and students can view the details regarding admissions, library, hostels, scholarships etc. through this portal.
- All the admissions are being done on-line and the students can also pay registration fee using the credit / debit card. The merit lists are generated from the software and are displayed on the college website. All the relevant circulars / notices are also displayed on the website.
- The Book Worm software tailor-made for library use has been created by Data

Centre. The OPAC system allows us to reserve and renew books online.

- Students apply online for the railway concession.
- Reviews, feedbacks, results and attendance reports are generated through the softwares. We communicate the attendance of the students to the parents by emails generated by the software.
- Biometric system of attendance is used in College to record the daily attendance (Arrivals/Departure) and various reports are being generated with its help. This is integrated with a software to keep track of leave availed, salary etc.
- We have software that allows calculation of Outcome achieved by a subject and obtained by a particular student.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

K. J. Somaiya Institute of Information Technology is affiliated to University of Mumbai in Maharashtra. It follows the curriculum set by University of Mumbai. The majority of the faculty is contributing to the development of the curriculum by the University in various capacities such as Member of Board of Studies and Syllabus Revision Committee Member. For the curriculum development, feedback is obtained from students, parents, industry experts, etc. and the same is forwarded to the Board of Studies (BoS) and Dean, Faculty of Technology

6.3.2 Teaching and Learning

- The Institute conducts ICT based evaluation through assignment and quizzes for some courses using Google class rooms. This gives time for the student to think about the problem and at the same time, because of online format copying will be eliminated. The multiple choice questions are evaluated on line by using tools like Flubaroo/Google forms. The questions are usually conceptual and can be completed in a short time.
- Class rooms with ICT facility i.e. teaching aids available with the department are LCD Projector: 08 in each department, Laptops: 04 in each department, classrooms with internet connection:03/04 in each department, digital boards in institute: 05
- 75% attendance is compulsory. Students falling short of this have to attend classes and write make-up assignments based on university question papers.

This helps to bring them at par with the regular students.

- The weak students are identified and remedial lectures are conducted for them to improve their performance.
- Course exit Surveys, module exit surveys, are also conducted online for the teaching learning improvement.
- NPTEL lecture videos are also made available to all students and they are motivated to join the online NPTEL courses.

6.3.3 Examination and Evaluation

Technology is effectively used in the examination management process:

Exam Cell has separate web site for online Examination form filling as https://www.somaiya.edu/kjsieit/administration/EXAM_CELL.

Transparency and security of evaluation system is ensured:

- To eliminate the possibility of leakage of question papers, Digital Electronic Paper Delivery System (DEPDS) has been designed by University of Mumbai. In this, question paper is made available on the portal 90 minutes before commencement of paper. Question paper is obtained by authorized person through three tier securities as ID & Password, OTP on authorized mobile and face recognition of authorized person. Principal, In-charge Exam Cell and two persons appointed by Principal are authorized persons to download question paper.
- Transparency and security is highly maintained during result preparation. Data entry is carried out under CCTV surveillance. Data Entry Operator enters marks directly from answer books in to Result Preparation Software on password protected PC. In charge Exam Cell verify final gazette (mark sheet) with individual subject mark sheets. After signing by Principal, the final gazette is send to the University for Verification by University's moderation committee.

6.3.4 Research and Development

Research and Development Cell has decided some strategies for improvement of R&D. They are as follows:

- There is an increase in seed money up to 2lakhs per department for need based projects.
- Expert talks of various research topics are arranged to motivate students and faculty.
- Students and faculty are encouraged to undertake projects of societal need for e.g. health care and agriculture.

- Steps are taken to fill the gap between the research stages and production stage i.e. a incubation centre exists at trust level.
- Students and faculty are motivated to participate in various projects competition, conferences and seminars to showcase their research work.

Research and development policy is continuously revised to promote the research in the institute.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- There is a repository of books apart from text books viz. general reading for personality development, various exams like GATE, GRE, Civil service exams, management, aptitude test and fiction books
- Online Public Access Catalogue (OPAC) – Online record of all books is available.
- Online book renewal: The books due date can extended from home for one more term.
- Online book reservation
- Additional book bank facility as follows.

Designation	No. of Books	Retention Period
Students	6	1 Month*
College Book Bank (For all students)	6 (One per subject)	One semester
Social Welfare Book Bank(only for SC/ST students)	6 (One per subject)	One Semester

- Global Common Circulation (GCC) – Circulation of Library books from all Somaiya Institutions.
- NPTEL facility – 261 videos available stored in 8TB hard disk available on LAN
- Remote access to Online journals
- Earn and Learn scheme implemented for Annual Book Stock Verification. Interested students are involved in the work on hourly basis and certain remuneration is given. Networking with libraries like Libraries of other Somaiya Institutions, Indian Institute of Technology, Bombay (IITB) Library, Mumbai, Institution of Electronics and Telecommunication Engineers (IETE) New Delhi, Developing Library Network (DELNET), New Delhi, IET Digital Library and National Digital Library

6.3.6 Human Resource Management

- Our HR department is involved in overall development of faculty and staff.
- As per Government Norms, Gratuity, Provident fund, Medical Insurance is given to all the faculty members and Group medical Insurance is given to non-teaching Staff.
- Local Travelling Allowance is allowed to staff and faculty
- To encourage higher studies and to enhance academics as well as carrier of teaching staff a facility of Paid leave (Prescribed in Higher Education Policy) will be given to desired candidate.
- To encourage higher studies and to enhance academics as well as careers of non-teaching staff members, facility of reimbursement of fees paid as per Institute Policy.
- To encourage extra co-curricular activity all non-teaching staff members are allowed to participate in intercollegiate tournaments of sports and in Cultural activities.
- No Professional tax to the handicap staff members.
- To encourage the faculty members to participate in Research and Development activity, sponsorship is provided for participation in workshops and conferences as per policy.
- Institute has a policy of reimbursing 50% of tuition fee of wards of non-teaching employees enrolled in Engineering.

6.3.7 Faculty and Staff recruitment

- KJSIEIT believes in selecting inspiring teachers who motivate students by innovative thinking and practical examples in their approaches. KJSIEIT follows UoM and AICTE rules for selecting its faculty. While recruiting faculty, Institute ensures faculty strength and profile as per AICTE norms. Applications are invited after the approval of the advertisement by Management and UoM from eligible candidates through advertisement in the national daily newspapers.
- The Vice Chancellor of university appoints his VC Nominee who supervises whole selection process. Management of Somaiya Trust appoints subject experts and interviews are conducted by this committee for the shortlisted candidates. Suitable candidates are selected and appointed. Recommendation report for approval of the teachers is submitted to the UoM.

- However, in the case of vacancy that arises in between two interviews conducted by the university, ad hoc interviews are conducted. The LMC forwards proposal to fill the vacant posts to the GB. After approval from GB, the advertisement is given in local newspapers for walk-in interviews. The suitable candidate is selected by a local selection committee formed by the Principal keeping in views university norms.

6.3.8 Industry Interaction / Collaboration

The Industry Institute Interaction Cell established at the institute from Feb. 13th, 2015. For strengthening Industry Institute Interaction implementation of strategic planning is done.

Details of Activity	Objectives	Current Status	Future Plan	Strategic Planning
Memorandum of Understanding (MOU)	1. Industry Project Development 2. Guest Lecture 3. Internship 4. Industrial Training	Signed MOU with 27 Industries till date	1. To visit different industries in Thane and Navi Mumbai Region 2. Identify industry projects, internship and Industrial training to our students	1. Visit industries located in MIDC of Thane, Navi Mumbai and Mumbai region during July to Oct. 2018. 2. Sign MoU with APLAB, L&T, Reliance Jio, Renewal of MoU.
Job Fair	To increase off campus placement of institute	Conducted three Job Fair till date (One in 2015, and two in 2016)	1. Increase off campus placement ratio. 2. Target to bring core companies of Electronics and Communication background	1. Conduct Job Fair in Oct. 2018 2. Bring core electronics and communication companies for placement e.g. Reliance Jio.
AICTE CII Survey Form Filling	Upload data on AICTE Website related to activities conducted in collaboration with industry experts in KJSIEIT	Filled form for 2015, 2016 and 2017. In 2015 and 2016 KJSIEIT placed in GOLD category. Scored between 10 to 35 points	To conduct skills development program (PMKVY) under AICTE scheme	Conduction of skills development program courses in coordination with Vasant Smruti Kaushlya Vikas Kendra Dadar or with other Skills Development Govt. organisation during July to Dec. 2018.

Industry Visits	1. Upgrade technical knowledge of students. 2. Explore industry atmosphere	Total 36 industry visits conducted till date for last three years for students	IV for faculty at L&T, CETTM Powai Centre, Reliance Jio etc	-----
Internship program	Strengthen professional skills and interpersonal relationships in professional settings	Total 384 students completed Internship in three years	1. Institute registered for Internshala Scheme of AICTE. Total 132 students registered for Internshala and total 123 students confirmed their registration, one student completed internship till date	Contacted CR and WR senior officers to provide internship to ETRX and EXTC students and planning to contact HR. Planning to get Internship in Reliance Jio.
Guest Lectures of Industry Person	1. To give more insights of subjects. 2. To aware students about industry requirements	A regular feature	Organize at least one guest lecture for every course in every semester in one branch	Many courses had conducted guest lectures by industry personal.

Details of MOU Signed by Institute in Academic Year 2017-18

Industry Name	MOU/ND A	MOU Signed Date	Details
Campus Credential (CC)	MOU	13-11-2017	MOU signed for all departments and objective is to run finishing school concept for our students under which CC will conduct seminars and different training modules as a part of Campus Recruitment Training (CRT) Programs.

Institute signed MOU with 27 industries and as a part of MoU following activities performed in the institute in the Academic Year 2017-18.

Sr. No	Industry Name	MOU Signed Date	Current status of work	Project Duration	Status	Faculty Coordinator
1	CTL Infocom Pvt. Ltd.	06-12-2014	Project on "Sentimate Analysis and Feedback evaluation" is in progress in <i>Computer Department</i> for	June 2017 till date	In process	Mrs. Nisha Vanjari

	Mumbai		academic year 2017-18			
			Project on “Product Review” was completed in Computer Department for academic year 2017-18	June 2017 – May 2018	Completed	Mrs. Sandhya Kadam
2	Mastek Ltd. Mumbai	23-01-2015	Project on “Automated detection of micro organism of the disease pityriasis versicolor using deep Learning” was completed by Computer Department in 2017-18	June 2017 – May 2018	Completed	Mrs. Chitra Bhole
			Project on “Android pentest suite” was completed by Computer Department in 2017-18	June 2017 – May 2018	Completed	Mrs. Shyamal Virnodkar
5	KJSIEIT & KIAAR, Mumbai & Karnataka	03-03-2016	Real Time Employee Tracking	July, 2017- Jan2018	Completed	Mr. Harsh Bhor
7	Current Technology (C-Tech)	19-12-2016	Four research projects suggested by Mr. AswaniKaul of C-Tech. 1. MPPT charger for smart LED pole (Project development started) 2. Smart LED Pole automation. (Project development started)	July 2017- May 2018	Completed	Mr. Pankaj Deshmukh and Mr. SagarMhatre
8	Riva Labs Private Limited, Nagpur	18-03-2017	Mr. Amol Morankar allotted following two projects for development by faculty and students, 1. Random number generator 2. Measurement of area and length of object in high resolution images.	July 2017- Dec 2018	In progress	Ms. Vidya Sagvekar and Ms. Sejal Shah
10	CMP Infotech (CMP)	22-03-2018	Faculty Development program organized by Department of Computer Engineering 37 participants were attended this FDP	Jan. 2- 5, 2018	Completed	--
11	Campus Credential (CC)	13-11-2017	Training program related to placement conducted for all department students, total 133 students attended this program for 50Hrs.	Jan.2, 2018	Completed	--

6.3.9 Admission of Students

The Institute is a part of the Centralised Admission Process (CAP) of Directorate of Technical Education (DTE) / Admission Regulating Authority (ARA), Government of Maharashtra. All the rules & regulations and admission process is made available on official website www.dte.org and also published in the form of information brochure.

Institute handles the admission to 71% of the total seats sanctioned. The remaining 29% seats are through CAP and handled by DTE. The Institute level 71% seats consists of 51% minority seats and 20% institute level quota. The admissions to both these quotas are strictly as per the norms prescribed by DTE/ARA. The process is purely based on merit. No capitation fee is availed even for the Institute level seats. The list of students who have applied are displayed on the notice boards and the admissions are offered through counselling in a well-defined and transparent manner

The admission process is as follows: Admission notification is hosted by DTE / ARA, Government of Maharashtra on their website as well as published in National News Paper (Daily). Institute advertises the admission process in leading State and National level newspapers and on college website for the institute level quota admission and vacancy if any. Institute has its own admission cell to provide information about admission matters and distribute admission brochures to parents and candidates. All admission related information is also displayed on (https://www.somaiya.edu/kjsieit/admission/FE_Admissions). The students seeking admission are also informed about the admission schedule through emails and group SMS. This year, minority and institute level quota is surrendered to DTE/ARA.

- Online application forms.
- Online payment of fees for pre-admission form.
- Admissions strictly on merit basis , no donation.
- Merit lists on a college website.
- Freeship and scholarships as per the government norms.
- Reservation policy as per the government norms.

6.4 Welfare schemes for

Teaching	Accidental insurance scheme by Star Insurance
Non-teaching	Accidental insurance scheme by Star Insurance, Group Medical Insurance
Students	Accidental insurance scheme by New India Insurance, Insurance if parent's death-Amarthya Shikshan Yojana

- While recruiting faculty, Institute ensures faculty strength and profile as per AICTE norms. Applications are invited after the approval of the advertisement by Management and UoM from eligible candidates through advertisement in the national daily newspapers.
- The Vice Chancellor of university appoints his VC Nominee who supervises whole selection process. Management of Somaiya Trust appoints subject experts and interviews are conducted by this committee for the shortlisted candidates. Suitable candidates are selected and appointed. Recommendation report for approval of the teachers is submitted to the UoM.
- However, in the case of vacancy that arises in between two interviews conducted by the university, ad hoc interviews are conducted. The LMC forwards proposal to fill the vacant posts to the GB. After approval from GB, the advertisement is given in local newspapers for walk-in interviews. The suitable candidate is selected by a local selection committee formed by the Principal keeping in views university norms.

6.5 Total corpus fund generated

Total fund generated is Rs. 45,14,992/-

6.6 Whether annual financial audit has been done

Yes No

Yes. Financial audit is managed by Somaiya trust office. Dates of external and internal audits are communicated through trust office to KJSIEIT. Outside agencies are appointed for both internal and external audits. Both audits are done twice in a year in a order internal audit followed by external audit. Internal audit is done by V.K.Kanere & Company. External audit is done by N.N.Desai & Company. Head office sends circular regarding audit time to time. In audits, voucher, cash, bank vouchers, bills, purchase order, cash transactions, pity cash vouchers, physical balance checked. Purchase register is also checked. Entries in Tally software as well as voucher entries are checked. Expenditure and capital entries are verified. After internal audit, external audit is scheduled which verifies suggestions given by internal auditor and action taken. If any issues/queries are there, its discussed with accountant. Final report is sent to the head office.

6.7 Whether academic and administrative audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	RAIT College, Neru, Navi Mumbail D.J. Sanghvi College of Engineering, Mumbai	Yes	Academic Monitoring Committee
Administrative	Yes	RAIT College, Neru, Navi Mumbail D.J. Sanghvi College of Engineering, Mumbai	Yes	Administrative Team-

6.8 Does the university/ autonomous college declare results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the university/ autonomous college for examination reforms?

Not Applicable

6.10 What efforts are made by the university to promote autonomy in the affiliated/constituent colleges?

Not Applicable

6.11 Activities and support from the alumni association

Frequently, workshops are organized wherein the alumni deliver expert lectures and practical sessions to guide the students about industry working environment.

The alumni also help the institute in establishing Memorandum of Understanding (MoU) with the industries. Our alumni Mr. Mayank Purohit and Ms. Harpreet Kaur have helped Institute

sign MoU with Mastek. Current students from Department of Information Technology and Department of Computer Engineering have completed a project titled “Alumni Portal” for the college under the guidance of our alumni Mr. Shivang Doshi and Mr. Gaurav Bhor.

The alumni also contribute in institutional activities. Our alumni, Mr. Kenil Jain, CEO of One Roof Technology and Mr. Dhaval Dattani, CEO of FUDS international have provided internships to the students. They have also judged the project Competition “KJSIEIT – INTECH” held at the institute. Our other alumni Mr. Kunal Panchal, Mr Suresh Kumar, Mr. Vimal Chaubey also judged this project Competition. Mr. Vimal Chaubey is also contributing to the organization for IET-NICE regional and state level competition. Our alumni, Mr. Akshay Sawant has taken initiation for projects given to the final year students. Some of the alumni are members of DAB and other advisory committees.

6.12 Activities and support from the parent – teacher association

Parent-Teacher Meeting (PTM) is a proven method of collecting feedback from parents of students. The feedback is analyzed by HODs. The feedback is forwarded to the principal, administration office and management. Various issues such as transportation, canteen food quality, campus environment, etc have been improved based on the feedback collected from the parents. Parent-Teacher Meeting (PTM) is a proven method of collecting feedback from parents of students. The feedback is analyzed by HODs. The feedback is forwarded to the principal, administration office and management. Various issues such as transportation, canteen food quality, campus environment, etc have been improved based on the feedback collected from the parents.

6.13 Development programmes for support staff

The different development programs conducted for support staff are given in table:

Name of Staff	Programme	Venue	Date
Mrs. Gauri Y. Gothivrekar	International conference on Advances in Science and Technology ICAST 2018	KJSIEIT, sion	06th & 07th April 2018
Mrs. Gauri Y. Gothivrekar	State level workshop on Preparing libraries as per NAAC's revised accreditation framework and recent UGC norms concerned with API and CAS for Librarians	Pragati College of Arts and Commerce	6th February 2018
Mrs. Gauri Y. Gothivrekar	Expert talk on Expanding horizons of academic libraries by Dr. Vivek Patkar for all Somaiya Librarians	KJSIEIT Library	29th June 2017

Mrs.Jyoti tikam	Expert talk on Expanding horizons of academic libraries by Dr.Vivek Patkar for all Somaiya Librarians	KJSIEIT Library	29th June 2017
Mrs.Purva Sawant	Expert talk on Expanding horizons of academic libraries by Dr.Vivek Patkar for all Somaiya Librarians	KJSIEIT Library	29th June 2017
Mr.Rajendra Choukekar	Expert talk on Expanding horizons of academic libraries by Dr.Vivek Patkar for all Somaiya Librarians	KJSIEIT Library	29th June 2017
Mrs.Purva Sawant	Two days worksop for Library staff	Rambhau Mhalgi Pratishtan	16 th and 17 th Dec 2017
Mrs. Jyoti U. Tikam	BOSLA-KJSCE Seminar on Internet of Things and Research Communication	K.J. Somaiya College of Engg., Mumbai & Bombay Science Librarian's Association, Mumbai	18 February 2017

6.14 Initiatives taken by the institution to make the campus eco-friendly

1. Green Club conducts Waste to Wealth project for composting of dry leaves from garden and wet waste of canteen.
2. Tree plantation drive conducted by NSS.
3. Infrastructure with radiant cooling system.
4. Automation of fans and lights to save electricity.
5. E-waste is recycled by an authorised agency.
6. Green Audit of our Premise is conducted to manage resources efficiently.
7. Use of Plastic is minimal in Premises.

CRITERION – VII

7. INNOVATIONS AND BEST PRACTICES

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Following are the innovations introduced during this academic year -2017-18:

1. **Improved Feedback on teaching learning** - In addition to course exit survey taken at the end of the semester, we have introduced module exit survey after completion of every unit to enable prompt remedial actions. Feedback on curriculum from industry experts, parents, alumni and students are also conducted.
2. **Creation of Special Interest Groups-** We have in total around 40 special interest groups as Cyber Security Cell, SDC, IOT, project competition cell and clubs as Green Club, Infinite loop etc. The students are encouraged to participate in various activities by these groups.
3. **Practice of OBE tool-** The institute is practicing Outcome Based Education. For each course, outcomes are defined which are measurable and specific. Course outcome levels are calculated by direct and indirect method to attain the target level with the help of OBE tool which gives summary report of attainment calculations. This year we have improved our methods and introduced a new automated tool to make analysis easier. Using this tool, the attainment levels of each assessment method can be obtained.
4. **International Conference on Advances in Sciences and Technology and Project Competition-** WE have organised our first international conference ICAST-2018. The selected papers were published in UGC approved journals.
5. **Appreciation to Faculty members:** Faculty members were appreciated for their performance in academics, research and extra-curricular activities.
6. **Uploading of Video lectures on website:** The teaching methods used by the faculty members are uploaded on college website. In particular, pre-lab and video lectures of a few subjects are available on YouTube.

7.2 Provide the action taken report (ATR) based on the plan of action decided upon at the beginning of the year

Sr. No	Resolution	Action Taken
1.	To train the faculty, students and Non-teaching staff to face the NAAC committee in September.	a. Received A grade in NAAC with 3.21 grade b. All criteria coordinators and IQAC coordinator conducted a series of seminars to appraise everyone about the different facets of NAAC c. Conducted Mock Audit in August
2.	To initiate preparation for NBA	a. Applied for NBA in June and prequalifier of NBA is submitted in August 2018 b. Preparations in full swing to submit SAR in

		September 2018
3.	To appraise faculty about latest developments in accreditation	a. Seminar on NAAC RAF b. Seminar On Criteria 3 of NBA c. Two day workshop on Outcome based education
4.	To improve the outcomes and attainment of courses	a. Developed a new improved automated tool for course outcome and program outcome calculations b. Conducted workshops to introduce faculty to the tool and to reinforce the concepts. c. Conducted audit of outcome assessment for all departments d. DQC conducts question paper quality assessment every semester.
5.	Will conduct International conference in April 2018	a. ICAST-18 successfully conducted in April-2018
6.	Will conduct technical festivals and project competitions.	a. Renaissance 2018 conducted in September 2017 b. Oscillations, the IETE festival conducted in March 2018 c. Intercollegiate Project competition KJSIEIT Intech conducted in March

7.3 Give two best practices of the institution (please see the format in the NAAC self-study manuals)

1. Building capability of student's.
2. Usage of IQAC website.

**The details are attached in annexure IV*

7.4 Contribution to environmental awareness / protection

1. Green Club conducts Waste to Wealth project for composting of dry leaves from garden and wet waste of canteen.
2. Tree plantation drive conducted by NSS.
3. Infrastructure with radiant cooling system.
4. Automation of fans and lights to save electricity.
5. E-waste is recycled by an authorised agency.
6. Green Audit of our Premise is conducted to manage resources efficiently.
7. Use of Plastic is minimal in Premises.

7.5 Whether environmental audit was conducted?

Yes

No

7.6 Any other relevant information the institution wishes to add. (for example SWOT analysis)

Among many noteworthy accolades for the year 2017-18, KJSIEIT has received the **Best Engineering College Award** 2017-18 by The Indian Society for Technical Education (ISTE) for Maharashtra and Goa region on 18th January, 2018.

KJSIEIT was conferred the **Best Academic Affiliate Award** 2017-18 by The international professional body, The Institution of Engineering & Technology, on 23rd Sept 2018.

The Institute was also conferred with **4 Awards by Computer Society of India (CSI)-**

- (1) **“Best Institute of the Year”** for A.Y 2017-18,
- (2) **“Best Principal of the Year”** to Dr. Suresh Ukarande
- (3) **“Best HOD of the Year”** to Prof. Uday Rote &
- (4) **“Best Student Project”** to Yash Gajara, Harsh Rajgor & Nidhi Bhatt.

In the area of Space Research, the Institute was declared as the winner of **“Touch the Jovian Moon-Lander Mission Design Contest”** by LPSC-ISRO on 5th May 2018 Conducted by LPSC-**ISRO** among the 120 teams from all over India participated in this competition.

KJSIEIT-ROBOCON Team Bagged **3rd All India Ranking in Asia Pacific Broadcasting Union (ABU) National Robotic Contest (Robocon)** on 1st to 3rd March 2018

The Institute was recognized as **Active Local Chapter** by NPTEL for the session January-April 2018.

KJSIEIT’s Dramebaaz-**Street Play Team** for year 2017-18 **won 2nd Prize** at IIT KHARAGPUR prepared a Street Play **“Hum Insaan Dhundh Rahe Hai”**.

Dr. Sunita R Patil, Dept of Computer Engineering has been awarded as **“Best Patron Award”** by the professional body, The Institution of Engineering and Technology (IET) on 23rd Sept. 2017.

Prof. Vaishali Gaikwad, Dept of IT has been awarded as **“Best Promising Teacher for Student Engagements in Technical & Innovative Activities”** by the professional body, The Institution of Engineering and Technology (IET) on 23rd Sept. 2017.

The Institution of Engineering and Technology (IET) awarded students—Vishal Sing, BE [IT] as **“Best Student Coordinator”** award and Rohit Bokade, SE [IT] received **“Best Student Volunteer”** award by the professional body IET on 23rd Sept. 2017.

7.7 Plans of institution for next year

- Apply for NBA
- Set up Centre of excellence in Artificial Intelligence.
- Conduct training for faculty in cooperative methods of teaching learning.
- Conduct classes on ethics for faculty and students.
- Organise the 2nd International Conference in Applied Science and technology

Name Vrinda Ullas

Vrinda Ullas

Signature of the Coordinator, IQAC

Name Dr. S.K. Ukaramde

Dr. S.K. Ukaramde

Signature of the Chairperson, IQAC
