

I. Name and Address of the Institution

Name	K J Somaiya College of Engineering
Address	Vidyanagar, Vidyavihar Mumbai
Pin Code	400077
State	Maharashtra
Phone No	+91-022 6644 9191 (60 lines)
Fax No.	25152272
E-Mail:	principal@engg.somaiya.edu

II. Name and Designation of the Principal

Principal

Name	Dr (Mrs.) Medha Dixit
Address	Vidyanagar, Vidyavihar Mumbai
Pin Code	400077
State	Maharashtra
Phone No	+91-022 6644 9001
Fax No.	25152272
E-Mail:	principal@engg.somaiya.edu

III. Name and Address of the Affiliating University

Name	University Mumbai
Address	M G Road, Fort , Mumbai
Pin Code	400 032
STD Code	0222265 0062
Fax No.	2263 4461

IV. Governance

Sr. No.		Name	Address	Tel No
1.	Chairman of the Registered Society/ Trust	Dr S. K. Somaiya, Chairman, Governing Council and Vice President, Somaiya Vidyavihar	The Godavari Sugar Mills Ltd. 45-47, Fazalbhoj Bldg., M. G. Road, Flora Fountain, Mumbai – 400 023	(O) 22048272 (R) 24922634
2.	Members to be nominated by the Registered Society/ Trust	Shri Samir S. Somaiya Somaiya Vidyavihar	The Godavari Sugar Mills Ltd. 45-47, Fazalbhoj Bldg., M. G. Road, Flora Fountain, Mumbai - 400 023	(O) 22048272 (R) 24939213
3.		Shri V. Ranganathan Hon Secretary, Somaiya Vidyavihar	The Godavari Sugar Mills Ltd. 45-47, Fazalbhoj Bldg., M. G. Road, Flora Fountain, Mumbai - 400 023	O) 22048272 (R) 22154774 22186133
4.		Dr. P. B. Parikh Member, Management Nominee	51, Radhashyam Apartments, Juhu Lane , Andheri (W), Mumbai – 400 058	(O) 28216773 28353636 (R) 26202929 26211333
5.		Shri Rooshikumar Pandya Management Consultant	6A Akashganga 89 Warden Road Mumbai – 400 026	(O)22884820 (R)23573289
6.		Dr. Rudra Pratap	Professor CranesSci MEMS Lab. Indian Institute of Science Bangalore 560 012	080 22933224 (M) 9845078056
7.		Nominee of AICTE- Regional Officer (WR) (Ex-Officio)	Dr. Sanjay Sharma Regional Officer Western Regional Office AICTE	Industrial Assurance Building, 2 nd Floor, Veer Nariman Road, Churchgate, Mumbai - 400 020
8.	Nominee of the affiliating body/ University / State Board of Technical Education	Shri V. P. Sahasrabuddhe	103, Surabhi Apartments Green Road, Louis Wadi Thane (W) – 400 604	(O) 24136966 24151598 (R) 25835659
9.	Nominee of State Government - Director of Technical Education (Ex- Officio)	Dr. S. K. Mahajan. Director of Technical Education	Directorate of Technical Education 3 , Mahapalika Marg, Mumbai – 400 001	(O) 22621726 22641150 (R) 22021183
10.	Industrialist / Technologist / Educationist form the region nominated by the State Government.	Shri R. S. Kenkre	4, Alankar, L. J. Road, Mahim, Mumbai - 400 016	(O)26423841/ 26423842 (R)24458382
11.	Principal & Member Secretary	Dr. (Mrs.) Medha Dixit	K. J. Somaiya College of Engineering, Vidyavihar, Mumbai – 400 077	(O) 66449001

❖ **Members of Academic Advisory Body**

Department-wise Advisory boards meetings are conducted.
Following are the members of the Advisory board of Various Departments

Department of Computer Engineering

Sr. No	Name	Affiliation
1	Dr. G Sivakumar	Head, Department of Computer Science & Engineering, IITB
2	Dr G Nagarjuna	Scientist, Homi Bhabha Centre for Science Education, TIFR
3	Dr (Ms) Prerana Rane	Ex Professor, VJTI & Consultant
4	Mr. K M Jagadeesh	Vice President, Reliance Digital World Pvt Ltd
5	Mr. Shirish Phadke	Gen Manager, Technical Automation, ATOS Origin

Department of Electronics Engineering

Sr. No	Name	Affiliation
1	Dr. P B Parikh	Fastech Telecommunications(I) Pvt. Ltd.
2	Dr. Dinesh Sharma	Department of Electrical Engineering, IIT Bombay
3	Dr. B. Vaidyanathan	Interface Design Associates P. Ltd., Vashi
4	Shri M P Parmar	Aplab (Chief Operating Officer)

Department of Electronics & Telecommunication Engineering

Sr. No	Name	Affiliation
1	Dr. V M Gadre	Professor, Department of Electrical Engineering, IIT Bombay
2	Dr. R K Shevgaonkar	Professor, Department of Electrical Engineering, IIT Bombay
3	Dr. K. P. Ray	Head – RSMS, SAMEER, Powai
4	Shri G S Tuteja	Chief Signal Engineer, Central Railway, C.S.T.
5	Dr. P B Parikh	Fastech Telecommunications(I) Pvt. Ltd.

Department of Information Technology

Sr. No	Name	Affiliation
1	Dr. G Sivakumar	Head, Department of Computer Science & Engineering, IITB
2	Dr. P. V. S. Rao	Consultant – TATA Infotech Ltd.
3	Dr. Sandeep Oberoi	Global Head – Risk Management Systems TCS Mumbai
4	Mr. K. M. Jagdeesh	President – Reliance Digital World P.Ltd.
5	Dr. Shashikant Kelkar	Adjunct Professor IIT Bombay
6	Mr. Shirish Phadke	General Manager – Technical Automation ATOS Origin Ltd.

Department of Mechanical Engineering

Sr. No	Name	Affiliation
1	Dr. B S Bhatt	Professor VJTI Mumbai
2	Dr. P. Sheshu	Professor, Mechanical Engg, IIT Bombay
3	Mr. N. B. Kulkarni	AGM – Toyo Engineering, Mumbai
4	Prof (Mrs) P P Parikh	Professor Emeritus, IIT Bombay
5	Mr. Swadesh Khetawat	Mg. Director – Plus M/C, Mumbai

❖ Frequency of Governing Board Meetings and Academic Advisory Body

The Governing body meets regularly, two meetings per year.

❖ Organizational chart and Processes

The well defined organizational structure is presented as **Appendix- 1** of this document.

❖ Nature and Extent of Involvement of Faculty and Students in Academic Affairs/ Improvement

V. Name of Programmes Approved by AICTE

❖ Name of the Programmes approved by the AICTE

Following programmes are approved by the AICTE

1. B E Computer Engineering
2. B E Electronics Engineering
3. B E Electronics & Telecommunication Engineering
4. B E Information Technology
5. B E Mechanical Engineering

❖ **Name of the Programmes accredited by the AICTE**

Following programmes were accredited by the AICTE

B E Computer Engineering
 B E Electronics Engineering
 B E Electronics & Telecommunication Engineering
 B E Information Technology
 B E Mechanical Engineering

❖ **For each Programme the following details are to be given:**

Name:	B E Computer Engineering			
Number of Seats	120			
Duration	4 Years			
Cut Off Marks	Year	Cut Off		
	2009-10	* Minority 144, CAP 173		
	2008-09	Minority 143, CAP 140		
	2007-08	Minority 153, CAP 145		
Fees	Rs. 71,476/- per Year			
Placement Facilities	Yes			
Campus Placement (Salary in rupees per annum)	Year	Minimum	Maximum	Average
	2008-09	2.9	5.0	3.2
	2007-08	3.0	6.5	3.3
	2006-07	2.2	8.5	3.3

Name:	B E Electronics Engineering			
Number of Seats	120			
Duration	4 Years			
Cut Off Marks	Year	Cut Off		
	2008-09	* Minority 137, CAP 167		
	2008-09	Minority 98, CAP 106		
	2007-08	Minority 126, CAP 149		
Fees	Rs. 71,476/- per Year			
Placement Facilities	Yes			
Campus Placement (Salary in rupees per annum)	Year	Minimum	Maximum	Average
	2008-09	2.2	5.5	3.0
	2007-08	2.4	3.3	3.3
	2006-07	1.9	3.5	3.00

Name:	B E Electronics & Telecommunication Engineering			
Number of Seats	120			
Duration	4 Years			
Cut Off Marks	Year	Cut Off		
	2009-10	*Minority 163, CAP 170		
	2008-09	Minority 143, CAP 151		
	2007-08	Minority 152, CAP 157		
Fees	Rs. 71,476/- per Year			
Placement Facilities	Yes			
Campus Placement (Salary in rupees per annum)	Year	Minimum	Maximum	Average
	2008-09	2.2	5.5	3.0
	2007-08	2.4	6.5	3.3
	2006-07	2.3	3.5	3.0

Name:	B E Information Technology			
Number of Seats	120			
Duration	4 Years			
Cut Off Marks	Year	Cut Off		
	2009-10	* Minority 129, CAP 155		
	2008-09	Minority 114, CAP 119		
	2007-08	Minority 142, CAP 159		
Fees	Rs. 71,476/- per Year			
Placement Facilities	Yes			
Campus Placement (Salary in rupees per annum)	Year	Minimum	Maximum	Average
	2008-09	2.2	5.5	3.0
	2007-08	2.4	3.3	3.3
	2006-07	2.3	7.5	3.0

Name:	B E Mechanical Engineering			
Number of Seats	120			
Duration	4 Years			
Cut Off Marks	Year	Cut Off		
	2009-10	*Minority 140 , CAP 180		
	2008-09	Minority 103 , CAP 166		
	2007-08	Minority 118, CAP 148		
Fees	Rs. 71,476/- per Year			
Placement Facilities	Yes			
Campus Placement (Salary in rupees per annum)	Year	Minimum	Maximum	Average
	2008-09	2.2	5.5	3.0
	2007-08	1.90	6.5	2.8
	2006 -07	1.50	2.45	1.98

* As on August 25, 2009

- ❖ **Name and duration of programme(s) having affiliation/collaboration with Foreign University(s)/Institution(s) and being run in the same Campus along with status of their AICTE approval** The Institute is not conducting any other programme which is t approved by AICTE.

VI. Faculty

❖ Branch wise list faculty members:

- Permanent Faculty
- Visiting Faculty
- Adjunct Faculty
- Guest Faculty
- Permanent Faculty: Student Ratio

The following table shows the faculty in place for each branch. Due to non-availability of senior faculty with PhD qualification, temporary faculty is appointed in the cadre of lecturer on yearly basis.

In addition to this the Department of Science & Humanities caters the common subjects like Communication Skills, Applied Sciences and Applied Mathematics of all the branches. The load of various programme is shared by them.

Sr. No.	Name of Program	Permanent	Visiting	Adjunct/ Adhoc/ Temporary	Guest	Permanent Faculty: Student Ratio
1	B E Computer Engineering	25	00	06	-	19.20
2	B E Electronics Engineering	24	00	07	-	20.00
3	B E Electronics & Telecommunication Engineering	27	00	06	-	17.78
4	B E Information Technology	25	00	08	-	19.20
5	B E Mechanical Engineering	29	00	01	-	15.00
6	M.E. Mechanical (CAD/CAM)	03	00	00	-	
		133	00	28	-	18.05

(Refer Appendix- 2 for Faculty profile)

Considering the permanent faculty from Science & Humanities department the ratio of Permanent Faculty to student is 18.75

❖ **Number of faculty employed and left during the last three years**

Department	Year	Number of Faculties	
		Employed	Left
Computer Engineering	2008-09	11	03
	2007-08	13	06
	2006-07	23	11
Electronics Engineering	2008-9	09	03
	2007-08	06	07
	2006-07	16	11
Electronics & Telecommunication Engineering	2008-09	11	04
	2007-08	05	06
	2006-07	17	07
Information Technology	2008-09	14	05
	2007-08	14	08
	2006-07	26	13
Mechanical Engineering	2008-09	09	04
	2007-08	05	07
	2006-07	08	05
Science & Humanities	2008-09	02	02
	2007-08	04	01
	2006-07	02	00

VII. PROFILE OF PRINCIPAL WITH QUALIFICATIONS, TOTAL EXPERIENCE, AGE AND DURATION OF EMPLOYMENT AT THE INSTITUTE CONCERNED

A brief bio-data of the Principal is attached as **Appendix- 1** to this document. In addition to this information of each faculty as per the format specified is also included.

VIII. FEE

❖ **Details of fee, as approved by State fee Committee, for the Institution.**

The details of the fee approved by the State fee Committee for the institution is Rs. 71,476/- as Tuition fees for the Academic Year 2009-10

A copy of the letter sent by the Committee is attached as **Appendix-3**

❖ **Time schedule for payment of fee for the entire programme.**

As the fee charged is on Annual basis, the fee is to be paid at the start of each academic year.

❖ **No. of Fee waivers granted with amount and name of students.**

No fee waivers

❖ **Number of scholarship offered by the institute, duration and amount**

The institution is not offering any scholarship as on today.

❖ **Criteria for fee waivers/scholarship.**

Maharashtra Government reimburses the fees of reserved category students on the basis of their annual income.

❖ **Estimated cost of Boarding and Lodging in Hostels**

The Hostel accommodation is available only to very limited number of students. The semester lodging fee for Hostel is Rs. 7800/- , while per month Rs. 2000/- (approximately) are expenses of the boarding.

IX. ADMISSION

❖ **Number of seats sanctioned with the year of approval.**

Sr. No.	Name of the Course	Year of First Approval	Number seats sanctioned
1.	B E Computer Engineering	F. No 740-89-229(E)/ (RC)/95 Dated: 28/6/99	60
2.	B E Electronics Engineering	F.27 -7/92 –AICTE / US(PG) /3335 Dated: 24/10/93	90
3.	BE Electronics & Telecommunication Engineering	740-89-229(e)/ET/96 Dated 31/5/96	120
4.	B E Information Technology	F. No 740-89-229(E)/ (RC)/95 Dated: 10/8/99	40
5.	B E Mechanical Engineering	740-89-229(e)/ET/96 Dated: 31/5/96	60

The above table indicates the number of seats sanctioned per course when the courses were first started, **but as on today 120 seats are sanctioned in each of the courses.**

❖ **Number of students admitted under various categories each year in the last three years.**

The Instruction received Gujarati Speaking Linguistic minority from Academic Year June 2003.

Academic Year: June 2009 – May 2010 (As on August 25, 2009, the admission process is not yet completed)

Sr. No	Stream	CAP	Minority	Institute Level Seats	Total
1	Computer Engineering	30	61	22	113
2	Electronics Engineering	30	61	22	113
3	Electronics & Telecommunication Engineering	31	61	22	114
4	Information Technology	27	61	22	110
5	Mechanical Engineering	35	61	22	118

* candidate from J & K Quota by Govt. of Maharashtra

§ 01 candidate from GOI nominee

Academic Year: June 2008– May 2009

Sr. No	Stream	CAP	Minority	Institute Level Seats	Total
1	Computer Engineering	35	61	24	122 * §
2	Electronics Engineering	35	61	24	121*
3	Electronics & Telecommunication Engineering	35	61	24	122* §
4	Information Technology	35	61	24	121*
5	Mechanical Engineering	35	61	24	121*

* candidate from J & K Quota by Govt. of Maharashtra

§ 01 candidate from J & K Quota by Govt. of Maharashtra & 01 GOI nominee

Academic Year: June 2007- May 2008

Sr. No	Stream	CAP	Minority	Total
1	Computer Engineering	60	60	120
2	Electronics Engineering	61	60	121*
3	Electronics & Telecommunication Engineering	61	60	121*
4	Information Technology	61	60	121*
5	Mechanical Engineering	79	42	121*

* candidate from J & K Quota by Govt. of Maharashtra

- ❖ **Number of applications received during last two years for admission under Management Quota/ NRI and number admitted (including Minority Students)**

Sr. No.	Academic Year	Number of	
		Applications Received	Admitted
1	June 2009-10	2664	425
2	June 2008-09	2026	425

X. Admission Procedure:

- ❖ **Mention the admission test being followed, name and address of the Test Agency and its URL (website).**

The Admissions are given to the First year as the rules of the DTE. The common entrance examination conducted for engineering Admissions by the DTE, Maharashtra is considered for preparing the Merit list. The reservations for other university region and other state students are as per the DTE rules.

Website of DTE is www.dte.org.in

- ❖ **Number of seats allotted to different Test Qualified candidates separately [AIEEE/CET (State conducted test/University tests)/Association conducted test]**

Seat Allotted to Different Test Qualifying candidates

Sr. No.	Type of Qualifying Test	Number of Seats
1.	All India Quota	175
2.	Maharashtra State Quota	
3.	Minority Quota	305
4.	Institute Level Quota	120
	Total	600

- ❖ **Calendar for admission against management/vacant seats:**
 - Last date for request for applications.
 - Last date for submission of application.
 - Dates for announcing final results.
 - Release of admission list (main list and waiting list should be announced on the same day)
 - Date for acceptance by the candidate (time given should in no case be less than 15 days)
 - Last date for closing of admission.
 - Starting of the Academic session.
 - The waiting list should be activated only on the expiry of date of main list.
 - The policy of refund of the fee, in case of withdrawal, should be clearly notified.

The various Notices displayed in this regard for the admission to First Year for the year June 2009 are added in Appendix- 4

XI. Criteria and Weightages for admissions:

- ❖ Describe each criteria with its respective weightages i.e. Admission Test, marks in qualifying examination etc.

All the admissions are done as per the inter se merit. The merit list is prepared on the marks scored by the candidate in the CET conducted by the Government of Maharashtra (DTE) MHT -CET 2009

- ❖ Mention the minimum level of acceptance, if any.

Passed the HSC examination of Maharashtra State Board of Secondary

- ❖ Mention the cut-off levels of percentage & percentile scores of the candidates in the admission test for the last three years.

Academic Year: June 2009 – May 2010

Sr. No	Stream	CAP*	Minority*
1	Computer Engineering	173	144
2	Electronics Engineering	167	137
3	Electronics & Telecommunication Engineering	170	163
4	Information Technology	155	129
5	Mechanical Engineering	180	140

* As on August 25, 2009

Academic Year: June 2008 – May 2009

Sr. No	Stream	CAP	Minority
1	Computer Engineering	140	143
2	Electronics Engineering	106	98
3	Electronics & Telecommunication Engineering	151	143
4	Information Technology	119	114
5	Mechanical Engineering	166	103

Academic Year: June 2007- May 2008

Sr. No	Stream	CAP	Minority
1	Computer Engineering	129	153
2	Electronics Engineering	128	126
3	Electronics & Telecommunication Engineering	152	152
4	Information Technology	117	142
5	Mechanical Engineering	102	111

- ❖ Display marks scored in Test etc. and in aggregate for all candidates who were admitted.

The list of the candidates admitted for various programmes in the First Year in June 2008 (data as on August 25, 2009, as the admission process is still in progress) is attached as **Appendix- 5**

XII. Application Form:

- ❖ Downloadable application form, with online submission possibilities.

The form is downloadable from the website. A sample copy of the application form is attached for reference as **Appendix- 6.**

XIII. List of Applicants

- ❖ List of candidates whose applications have been received along with percentile/percentage score for each of the qualifying examination in separate categories for open seats. List of candidates who have applied along with percentage and percentile score for Minority quota / NRI seats.

The Institute has been given Gujarati Speaking Linguistic Minority Status from June 2004. The First Year as well Second Year (Lateral Entry) admissions are done as per the directions of DTE.

49 % of the seats are filled by the Colleges through the Central Admission Process on the basis of MHT-CET 2009, while for the remaining 51% seats separate Merit List is prepared. The list of the applicants for the FE admission in year 2009, in the order of merit is attached as **Appendix- 7**.

XIV. Results of Admission under Management seats/Vacant Seats

- ❖ **Composition of selection team for admission under Management Quota:**

There is no management quota.

Institutional level quota is filled on the merit, the merit list and list of admitted students under this quota is attached in **Appendix- 7**.

XV. Information of Infrastructure and other resources available

LIBRARY:

- **Following table shows the number of library books/ Title/ Journals available (programme-wise)**

S. No	Course(s)	Number of titles of the books	Number of volumes	Journals	
				National	International
1.	Computer Engineering	1624	2049	04	11
	Electronics Engineering	1939	2376	04	04
	Electronics & Telecommunication Engineering	1805	2300	04	01
	Information Technology	1446	1720	05	09
	Mechanical Engineering	1766	1969	06	11
	Science & Humanities	1031	1418	07	06
	General	1031	548	08	0
	Total	10642	12380	38	42

➤ **List of online National/ International Journals subscribed:**

IEEE Journals

Sr.	Name
1	Acoustics, Speech, and Signal Processing Newsletter, IEEE
2	Advanced Packaging, IEEE Transactions on [see also
3	Aerospace and Electronic Systems, IEEE Transactions on
4	Annals of the History of Computing, IEEE
5	Antennas and Propagation, IEEE Transactions on
6	Antennas and Wireless Propagation Letters
7	Applied Superconductivity, IEEE Transactions on
8	Audio, Speech and Language Processing, IEEE Transactions
9	Automatic Control, IEEE Transactions on
10	Automation Science and Engineering, IEEE Transactions on
11	Biomedical Engineering, IEEE Transactions on
12	Broadcasting, IEEE Transactions on
13	Circuits and Systems for Video Technology, IEEE Transactions on
14	Circuits and Systems I: Regular Papers, IEEE
15	Circuits and Systems II: Express Briefs, IEEE
16	Circuits, Devices and Systems, IEE Proceedings [see also
17	Communications Engineer
18	Communications Letters, IEEE
19	Communications Society: A Digest of News and Events of
20	Communications Surveys & Tutorials, IEEE
21	Communications, IEE Proceedings-
22	Communications, IEEE Transactions on
23	Component Parts, IEEE Transactions on
24	Components and Packaging Technologies, IEEE Transactions
25	Computational Biology and Bioinformatics, IEEE/ACM Transactions on
26	Computer
27	Computer Architecture Letters, IEEE
28	Computer Graphics and Applications, IEEE
29	Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions on
30	Computer-Aided Engineering Journal

31	Computers and Digital Techniques, IEE Proceedings-
32	Computers, IEEE Transactions on
33	Computing & Control Engineering Journal
34	Dependable and Secure Computing, IEEE Transactions on
35	Design & Test of Computers, IEEE
36	Device and Materials Reliability, IEEE Transactions on
37	Dielectrics and Electrical Insulation, IEEE Transactions
38	Display Technology, Journal of
39	Distributed Systems Online, IEEE
40	Education, IEEE Transactions on
41	Electric Power Applications, IEE Proceedings-
42	Electrical and Computer Engineering, Canadian Journal of
43	Electromagnetic Compatibility, IEEE Transactions on
44	Electron Device Letters, IEEE
45	Electron Devices, IEEE Transactions on
46	Electronic Materials, IEEE/TMS Journal of
47	Electronics & Communication Engineering Journal
48	Electronics Letters
49	Electronics Systems and Software
50	Energy Conversion, IEEE Transactions on
51	Engineering & Technology
52	Engineering Science and Education Journal
53	Evolutionary Computation, IEEE Transactions on
54	Fuzzy Systems, IEEE Transactions on
55	Image Processing, IEEE Transactions on
56	Industrial Electronics, IEEE Transactions on
57	Industrial Informatics, IEEE Transactions on
58	Industry Applications, IEEE Transactions on
59	Information Forensics and Security, IEEE Transactions on
60	Information Security, IEE Proceedings
61	Information Technology in Biomedicine, IEEE Transactions on
62	Information Theory, IEEE Transactions on
63	Instrumentation and Measurement, IEEE Transactions on
64	Intelligent Systems Engineering
65	Intelligent Systems, IEEE [see also IEEE Intelligent Systems and Their Applications]
66	Intelligent Transportation Systems, IEEE Transactions on
67	Internet Computing, IEEE

68	IRE Professional Group on Audio, Newsletter of the
69	IT Professional
70	Knowledge and Data Engineering, IEEE Transactions on
71	Lightwave Technology, Journal of
72	Magnetics, IEEE Transactions on
73	Manufacturing Engineer
74	Manufacturing Technology, IEEE Transactions on
75	Mechatronics, IEEE/ASME Transactions on
76	Medical Imaging, IEEE Transactions on
77	Micro, IEEE
78	Microelectromechanical Systems, Journal of
79	Microwave and Wireless Components Letters, IEEE [see also IEEE Microwave and Guided Wave Letters]
80	Microwave Theory and Techniques, IEEE Transactions on
81	Microwaves, Antennas and Propagation, IEE Proceedings -
82	Mobile Computing, IEEE Transactions on
83	Multimedia, IEEE
84	Multimedia, IEEE Transactions on
85	Nanobioscience, IEEE Transactions on
86	Nanobiotechnology, IEE Proceedings-
87	Nanotechnology, IEEE Transactions on
88	Neural Systems and Rehabilitation Engineering, IEEE
89	Nuclear Science, IEEE Transactions on
90	Oceanic Engineering, IEEE Journal of
91	Optoelectronics, IEE Proceedings-
92	Parallel and Distributed Systems, IEEE Transactions on
93	Pattern Analysis and Machine Intelligence, IEEE Transactions on
94	Pervasive Computing, IEEE
95	Photonics Technology Letters, IEEE
96	Plasma Science, IEEE Transactions on
97	Potentials, IEEE
98	Power Apparatus and Systems, IEEE Transactions on
99	Power Delivery, IEEE Transactions on
100	Power Electronics Letters, IEEE
101	Power Electronics, IEEE Transactions on
102	Power Engineer [see also Power Engineering Journal]
103	Power Systems, IEEE Transactions on
104	Proceedings of the IEEE

105	Professional Communication, IEEE Transactions on
106	Quantum Electronics, IEEE Journal of
107	Radar, Sonar and Navigation, IEE Proceedings -
108	Reliability, IEEE Transactions on
109	Robotics, IEEE Transactions on [see also Robotics and
110	Science, Measurement and Technology, IEE Proceedings-
111	Science, Measurement and Technology, IEE Proceedings-
112	Selected Areas in Communications, IEEE Journal on
113	Selected Topics in Quantum Electronics, IEEE Journal of
114	Semiconductor Manufacturing, IEEE Transactions on
115	Sensors Journal, IEEE
116	Signal Processing Letters, IEEE
117	Signal Processing, IEEE Transactions on [see also
118	Software Engineering, IEEE Transactions on
119	Software, IEE Proceedings- [see also Software Engineering, IEE Proceedings]
120	Software, IEEE
121	Solid-State Circuits, IEEE Journal of
122	Spectrum, IEEE
123	Systems, Man and Cybernetics, Part A, IEEE Transactions on
124	Systems, Man and Cybernetics, Part B, IEEE Transactions on
125	Systems, Man and Cybernetics, Part C, IEEE Transactions on
126	Ultrasonics, Ferroelectrics and Frequency Control, IEEE Transactions on
127	Vehicular Technology, IEEE Transactions on
128	Very Large Scale Integration (VLSI) Systems, IEEE Transactions on
129	Vision, Image and Signal Processing, IEE Proceedings-
130	Visualization and Computer Graphics, IEEE Transactions on
131	Wireless Communications, IEEE [see also IEEE Personal
132	Wireless Communications, IEEE Transactions on

ASME Journals

Sr.	Titles
1	Applied Mechanics Reviews
2	ASME International
3	Journal of Applied Mechanics
4	Journal of Biomechanical Engineering
5	Journal of Computational and Nonlinear Dynamics
6	Journal of Computing and Information Science in Eng
7	Journal of Dynamic Systems, Measurement, and Control
8	Journal of Electronic Packaging
9	Journal of Energy Resources Technology
10	Journal of Engineering for Gas Turbines and Power
11	Journal of Engineering Materials and Technology
12	Journal of Fluids Engineering
13	Journal of Fuel Cell Science and Technology
14	Journal of Heat Transfer
15	Journal of Manufacturing Science and Engineering
16	Journal of Mechanical Design
17	Journal of Medical Devices
18	Journal of Offshore Mechanics and Arctic Engineering
19	Journal of Pressure Vessel Technology
20	Journal of Solar Energy Engineering
21	Journal of Tribology
22	Journal of Turbomachinery
23	Journal of Vibration and Acoustics

E- Library facilities: In the central library Online Public Access Center (OPAC) helps students to for research resources. Institute has a CD server which allows to image 100 educational CDs which can be accessed from the computers connected to LAN.

➤ **E- Library facilities:**

In the central library Online Public Access Center (OPAC) helps students to for research resources. Institute has a CD server which allows to image

100 educational CDs which can be accessed from the computers connected to LAN.

LABORATORY:

➤ **List of Major Equipment/ Facilities:**

The list of the equipments department-wise is attached as **Appendix- 8**

➤ **List of the Experimental Setups:**

Please refer to the **Appendix- 9** attached to this document.

COMPUTING FACILITIES:

➤ **Number and Configuration of Systems:**

Configuration	Number
PIV Processor, 1.8 GHZ , 128 MB RAM, 40 GB HDD, 1.44 FDD, 52 X CD ROM, 15" Color Monitor, Keyboard, Mouse	938
Apple MAC G3, 600 MHz, 256 MB RAM, 40 GB Ultra ATA, CD ROM, Ethernet 10/100 base T, Airport Ready, Apple Pro Keyboard , Mouse	10
HP Netfinity Server, IBM RS6000 Server	06
Total	948+ 06*

➤ **Total Number of Systems Connected by LAN:**

Out of the 938 computers available in the Institute 905 are in LAN

➤ **Total Number of System Connected to WAN:**

The Computers on the Campus are connected to each other by an Optical Fiber Link. The link is in between the server of the institute and the server of Management Institute, thus expanding the scope of LAN to WAN.

➤ **Internet bandwidth:** 2 MBPS provided through leased line.

➤ **Major Software Package Available:**

The college has Microsoft School Agreement for Windows Operating System and Microsoft products like Office, SQL and Visual Studio. List of the software packages and the number of seats available is as follows:

Sr No	Software Name	TOTAL
1	MS Windows NT CAL 4.0 English	10
2	SUSE Linux for PPC V7.1 (43P 150 Risc Server)	1
3	Windows XP Professional English UPG OLP NL AE	30
4	Red Hat Linux Version 7.0	2
5	I-mac Protection Plan	10
6	MS Windows XP(Preloaded)	58
7	Cobol (Ansi 85 for DOS)	15
8	Oracle 9i server Standard Edition (10 Users Pack)	2
9	Macromedia Studio MX AE	1
10	MS Windows 2003 Media Kit	1
11	MS SQL 2000 Standard Media Kit	1
12	D2k - 6i with IDs	5
13	Prolog	20
14	MS SQL 2000 Server STD MOLP NL AE	1
15	HTML Front Page 2002	20
16	MS Visual Foxpro 7.0	3
17	MS MSDN Professional F.P. AE	1
18	Turbo C++ Suit AE	245
19	MATLAB 6.5 (43) & MATLAB 7 (20)	63

20	MAC OS X-Server (preloaded)	1
21	G177 Renewal 100 users to 200 users unlimited 24 online	1
22	I00267 Zone Management	1
23	Virus scan ASAP with 2 year knowledge centre	300
24	Turbo Assembler	16
25	MS Windows XP Professional (Preloaded)	230
26	Red Hat Linux (Preloaded)	230
27	SUSE Linux Enterprise Server 9	1
28	Novell Linux Desktop 9	1
29	SUSE Linux Enterprise Server 9	1
30	Novell Linux Desktop Manual	1
31	SUSE for Users manual	1
32	MS Visual Studio .Net PRO (Under SCA) 2\$	300
33	Ms Project Pro(Under SCA) 9\$	100
34	Ms SQL CAL 2005 (Under SCA) 5\$	100
35	MS Windows XP Professional (Preloaded)	30
36	IBM RSA Software Architect	30
37	Tina V7 Educational Version	20
38	Xilinx VLSI Design Software (1) and Xilinx 6.1 ModelSim 5.7g (20)	21
39	Adobe CS4 Design Premium (10 Users Pack)	1
40	Multisim - 7 Software	5

41	DSP Blockset	1
42	Filter Design Tool Box	10
43	ORCAD Capture and PSPICE	10
44	LABVIEW 7.0	20
45	Microwind 3.1	20
46	I-DEAS 8i	5
47	AutoDesk Inventor Series 6.0	25
48	Ms-SQL Server 2000 Standard Edition	1
49	V Studio. Net Pro 2002 win 32 Eng OLP NL AE	10
50	ANSYS MULTIPHYSICS 7.0 (upgraded to Ansys Version 11.0), Product: Ansys Introductory-5	5
51	AutoDesk Product Autodesk 20 user pack of AutoCAD2008	20
52	AutoDesk Product Autodesk 20 user pack of AutoCAD2009	20
53	Catia V5 Release 18 Educational Pack	20
54	Ansys Academic teaching Introductory11	25
55	CIM Mechanics	0
56	MS Windows 98 OEM	84
57	MS Windows 2003 Server MOLP NL AE	7
58	MS Windows 2003 CAL MOLP NL AE	212
59	Symantec Anti Virus License at Vidyavihar For 2 Years	301
60	MSCA (Microsoft School Campus Agreement) - MS Office XP Prof., Windows Upgrade. Core CAL	200
61	Additional Licenses for MSCA - MS Office XP Prof., Windows Upgrade. Core CAL	100

62	WEB APPLICATION Filter : Cyberoam -05-CFS-BDL-0500-01 (One Year WEB APPLICATION Filter for CR500i)	1
63	ANTIVIRUS & ANTISPAM : Cyberoam -05-CBS-BDL-0500-01 (One Year ANTIVIRUS & ANTISPAM for CR500i)	1
64	Cyberoam Client Applications	500
65	Linguaphone 21 with Eye Speak	5

WORKSHOP:

The list of the Workshops along with the facilities available is given in the table below

Sr. No	Name of the shop	Major equipments	
		Name	Qty
1	Machine shop	Centre lathe M/Cs	20
		Pedestal grinder	1
		Bench grinder	1
		Shaping M/C-	3
		Universal Milling M/C	2
		Drilling M/C	3
		Tool and cutter grinder	1
		Power saw 2"	1
		Single spindle automatic lathe	1
		Surface grinder	1
2	Smithy Shop	Open Hearth Col fired furnace	6
		Centrifugal blower with motor	1
		Hand furnace with blower	1
		Anvil with stand	8
		Pillar type drilling M/C	1
		Pedestal grinder	1
3	Carpentry Shop	Wood turning Lathe M/C	2
		Circular saw	1
		Bench grinder	1
4	Fitting Shop	Sensitive drilling M/C	1
		Bench grinder	1
5	Welding Shop	Welding transformers	2
		Mini welder	1

GAMES AND SPORTS FACILITIES:

The Institute has facilities for indoor games such as table tennis, carom; separately for boys and girls. The Indoor badminton court is one the unique features of the Institution. In addition to this an outdoor facility for Basket Ball, Lawn tennis and cricket are also available on campus.

SOFTSKILL DEVELOPMENT FACILITIES:

Through the training and Placement cell separate training is given to the students for Personal Interview and Group Discussion.

NUMBER OF CLASSROOMS

Number class rooms 36

NUMBER OF TUTORIALROOMS

Although 32 rooms, some of the rooms will be available by starting of the next semesters, while extra class rooms are used as Tutorial rooms.

NUMBER OF LABORATORIES

The number of Laboratories is 70 of various sizes from 50 sq. m to 100 sq.m depending upon the program requirement, some of these laboratories are located in the new building which are partially furnished.

NUMBER OF DRAWING HALLS:

There are 04 drawing halls, 01 of 100 Sq M and 03 of 150 Sq M. the Institute.

NUMBER OF COMPUTER CENTERS:

A common Computer Center (Common Computing Facility) is provided to the students and faculty to access Internet. The Center has 38 dedicated computers for students and 12 computers for faculty for this purpose.

CENTRAL EXAMINATION FACILITY:

The regular class rooms are used for examination purpose as no central facility is available.

➤ TEACHING LEARNING PROCESS:

- ♦ Lesson Plans, Lecture Notes and Content Analysis on the net
 - ♦ Instructions with OHP and PPT presentations
 - ♦ Formal meetings of faculty members teaching the same subjects
 - ♦ Continuous evaluation. Weekly tests on Mondays in the first hour. Two tests in each subject. Marks obtained in the tests assigned weightage in the Term Work Evaluation Scheme.
 - ♦ Technical film shows
 - ♦ Visits to industries
 - ♦ Special lectures by Experts from Industries and other Institutions of Higher Learning.
- Being affiliated to University Mumbai , the Curricula and Syllabi for each of the programmes is as per the University. A copy of Syllabi is attached to this document as **Appendix- 10.**
- **Academic Calendar of the University**
- A copy of Academic Calendar of the University of Mumbai is not yet received
- **Academic Timetable**
- The Class time tables are attached as **Appendix- 11.**
- Teaching Load of each Faculty for the Term July 2009- December 2009 is given department-wise is attached to this document as **Appendix- 12.**
- Internal Continuous Evaluation System in place:
- Weekly tests on Mondays in the first hour. Two tests in each subject. Marks obtained in the tests assigned weightage in the Term Work Evaluation Scheme.
- Students' assessment of Faculty; system in place:
- Paper based as well as on-line evaluation of the course content and delivery by the teacher is evaluated by the students.