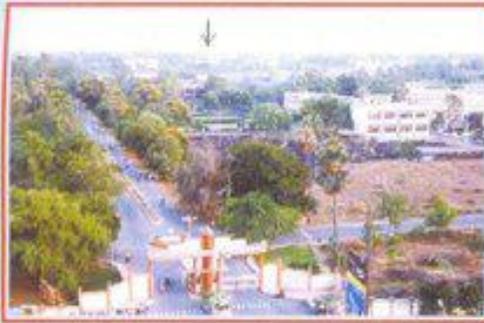


SVNIT ALUMNI CONVENTION

31st October, 2004



SARDAR VALLABHBHAI NATIONAL INSTITUTE
OF TECHNOLOGY, SURAT - 395 007.



Total 254 Acres land



SVNIT ADM Building



Reach Building



SVNIT - Bank, Post Office & Primary School



Central Computer Centre Building - Inside



Central Computer Centre Building



CoED Building



SAC Building - Inside



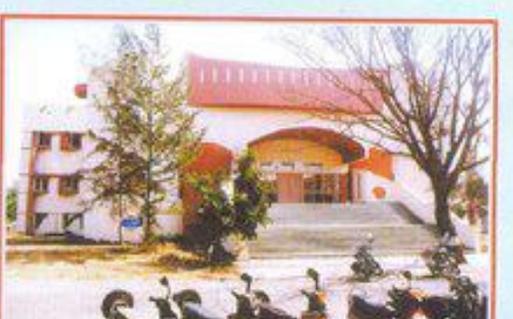
SVNIT New Hostel



Campus Recruitment Programme by CTS, Pune



Seminar Hall - Inside



SVNIT New Class Room Complex



SVNIT Staff Club Building



SVNIT Guest House



SVNIT Canteen

Courses offered at SVNIT, Surat

At the present, there are following UG & PG courses including Research Programmes. Few PG courses are proposed by various departments, which are likely to be started in future.

➤ Seven UG Courses :

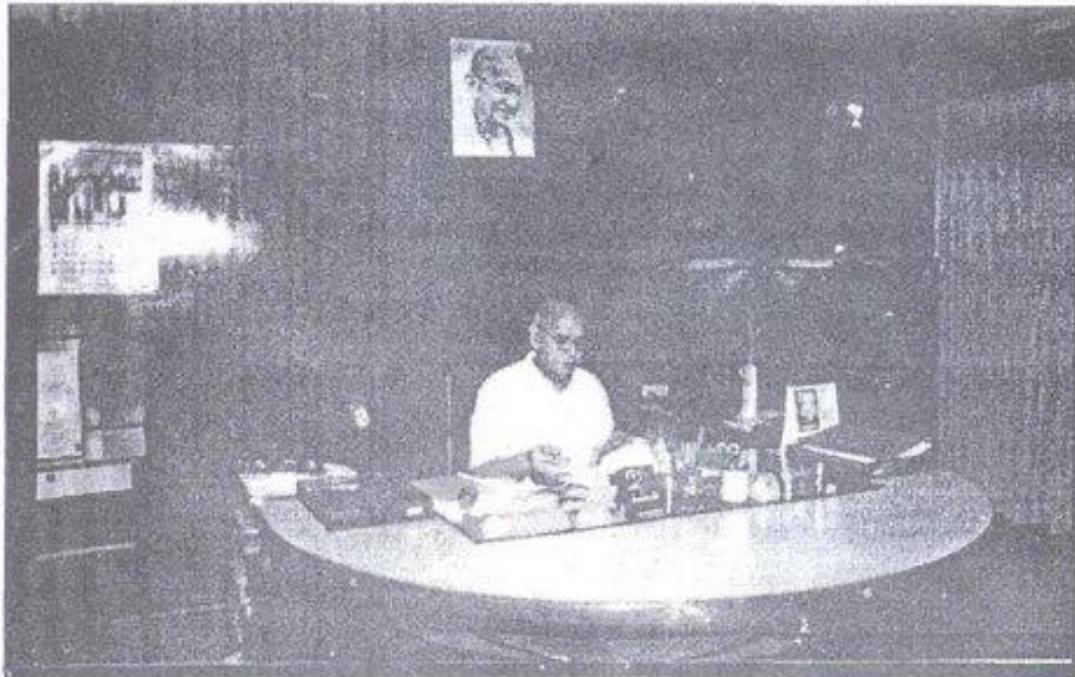
- Civil Engineering
- Mechanical Engineering
- Electrical Engineering
- Electronics Engineering
- Computer Engineering
- Production Engineering
- Chemical Engineering

➤ Seven PG Courses :

- Environmental Engineering (Civil Engineering Department)
- Turbomachines (Mechanical Engineering Department)
- Structural Engineering (Applied Mechanics Department)
- Mechanical Engineering (Mechanical Engineering Department)
- Town & Regional Planning (Civil Engineering Department)
- Water Resources Engineering (Civil Engineering Department)
- Soil Mechanics & Foundation Engineering (Applied Mechanics Department)

➤ Research Programme in various departments

Message from Director, SVNIT, Surat
&
President, SVNIT Alumni Association Dr. A. K. Dave

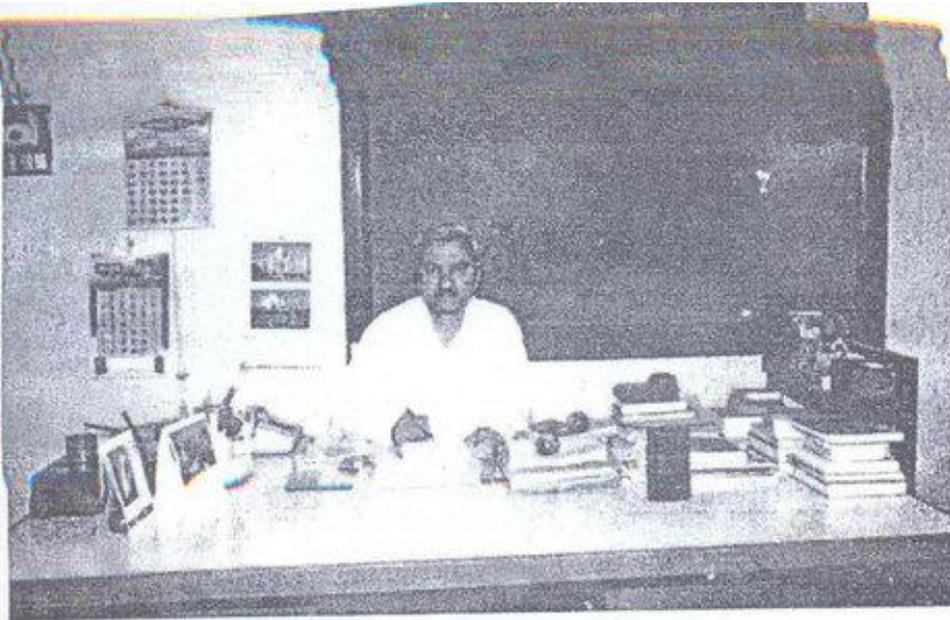


The Sardar Vallabhbhai National Institute of Technology formerly known as Sardar Vallabhbhai Regional College of Engineering & Technology has acquired the status of National Institute on 4th October, 2002. While enhancing the Regional Institute to National Institute, the emphasis is made to involve the Alumni for the development of the Institute. The Memorandum of Understanding signed between the Institute and MHRD clearly mentions that the experience, expertise and resources of Alumni, within the frame work of Institutional working is desirable similarly the help made by Alumni Association of other premier Institute of the country. Keeping above facts in mind, the Alumni has been provided representation both in governing body i.e. Board of Governor of Institute as well as in academic body like Senate, the Institute is opening out its wings and thinking to rise from National to Global level and your help and association in this regard will be highly fruitful.

I therefore appeal to one and all to actively involve in building the Institute in particular and nation at large.

I wish this association to be strong and purposeful to achieve the goals of the Institute.

Sardar Vallabhbhai National Institute of Technology
Surat
Alumni Association



The Alumni Association of this Institute was formed before couple of years on a large scale. The department of Mechanical and Civil Engineering were having department Alumni Association until that.

At the present, we have already loaded name and details about 1800 Alumni Members in Institute website. The process is still on. The individual Alumni will be able to change / modify his / her details on website in due course.

The first Alumni Meet was held on 31st October, 2001. It was a grand success. Over 500 past students from all over India participated in that. For the last four batches, all the students passed are life members of SVNIT Alumni Association. The number of life members from the batches of 2000 and before are very less. Attempts are made to increase this number. All the members are requested to put efforts in this direction.

The Institute expects lot from members of association. For the progress and growth of this Institute the members can contribute a lot.

Break up of Life Members as on 26/10/2004

Sr. No.	Branch	Number
1	Civil Engineering	431
2	Electronics Engineering	286
3	Mechanical Engineering	283
4	Electrical Engineering	255
5	Chemical Engineering	253
6	Computer Engineering	159
7	Production Engineering	125
	TOTAL	1792

**INCUMBANCY CHART OF THE OFFICE OF THE PRINCIPAL
SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT - 7**

SR. NO.	NAME	PERIOD	
		FROM	TO
1	Prof. T. A. Desai	15/06/1961	01/07/1963
2	Prof. K. D. Oza	02/07/1963	11/03/1964
3	Prof. V. J. Jani	12/03/1964	26/03/1968
4	Dr. A. K. Dasgupta	26/03/1968	01/06/1972
5	Prof. B. L. Maheshwari	01/06/1972	25/10/1976
6	Prof. K. D. Oza	25/10/1976	20/08/1977
7	Dr. Y. V. N. Rao	20/08/1977	06/02/1984
8	Prof. R. N. Shelat	06/02/1984	26/11/1986
9	Dr. P. R. Mehta	27/11/1986	31/10/1993
10	Prof. R. N. Shelat	01/11/1993	14/02/1994
11	Dr. J. C. Vyas	15/02/1994	14/02/2000
12	Prof. K. U. Joshi	15/02/2000	02/03/2000
13	Dr. B. Majumdar	03/03/2000	03/10/2002

**INCUMBANCY CHART OF THE OFFICE OF THE DIRECTOR
SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT - 7**

1	Dr. B. Majumdar	04/10/2002	31/01/2003
2	Prof. K. U. Joshi	01/02/2003	30/11/2003
3	Dr. A. K. Dave	01/12/2003	Continue

DEANS

Sr. No.	Name	
1	Dr. N. J. Mistry	Planning
2	Prof. A. M. Desai	Academic
3	Dr. H. B. Naik	Students Affairs
4	Dr. D. B. Naik	Alumni & International Affairs
5	Dr. P. P. Mistry	Examinations
6	Sr. S. A. Channiwala	PG Studies & Research Programme

SVNIT AN OVERVIEW

GENERAL FEATURES :

- One of the Seventeen NITs (established as RECs in 1961)
- Spread over 256 acres of land
- Seven UG Courses : Civil (60), Mechanical (90), Electrical (60), Electronics (90), Computer (60), Production (30) & Chemical (60)
- Six PG Courses :
 - Environmental Engineering (Civil Engineering Department)
 - Turbomachines (Mechanical Engineering Department)
 - Structural Engineering (Applied Mechanics Department)
 - Mechanical Engineering (Mechanical Engineering Department)
 - Town & Regional Planning (Civil Engineering Department)
 - Water Resources Engineering (Civil Engineering Department)
 - Soil Mechanics & Foundation Engineering (Applied Mechanics Department)
- Yearly Intake : UG – 450, PG – 70
- Total Student Strength : UG + PG : 2000 (Approx.)
- Sanctioned Faculty Strength : 148 : (P – 25, AP – 41, L – 82)
- Filled up Faculty Strength : 100 : (P – 09, AP – 25, L – 66)
- Vacant positions : 48 (P – 16, AP – 16, L – 16)
(vacant posts are filled on adhoc basis as Lecturers)
 - Qualifications : Ph.D. – 34, M.E. / M.Tech. – 49, B.E. – 18
- Sanctioned Supporting Staff : 250
Sr. Admn. Staff – 13, Class III – 154, Class IV – 116
- Seven Boys' Hostel : 950 inmates
- One Girls' Hostel : 125 inmates
- Sufficient Residential Accommodation for Faculty and other Staff.
- UG Admission on All India basis based on AIEEE merit
 - 50% from the State of Gujarat
 - 50% from the other states on quota basis

EXISTING INFRASTRUCTURE :

- ❖ Administrative Office & Eight Academic Departments
- ❖ Library & Computer Centre
- ❖ Workshop & Laboratory Buildings
- ❖ Residential Quarters for Faculty and other Staff
- ❖ Seven Boys' Hostels and One Girls' Hostel
- ❖ Electricity and Water Distribution System
- ❖ Back up Power Supply
- ❖ Bank, Post Office and Students Amenity Centre
- ❖ Canteen and Students Activity Centre
- ❖ Indoor and Outdoor Sports Facility
- ❖ Institute Guest House
- ❖ Dispensary
- ❖ Training and Placement Section
- ❖ Estate Section for construction and maintenance
- ❖ Classroom Complex
- ❖ Large Scale Plantation on the Campus

COMMITTEE FOR SVNIT ALUMNI CONVENTION

31st October, 2004

[1] Organising Committee :

	SVNIT Staff	Local Alumni
President	Dr. A. K. Dave Director, SVNIT, Surat	
Secretary	Dr. D. B. Naik Professor, Training & Placement Section	
Coordinators		Mr. Bhadresh Shah Mr. Mukesh Variawa
Members	Dr. S. A. Channiwala Dr. N. C. Shah Prof. A. R. Jariwala Dr. R. A. Christian Prof. D. C. Jinwala	Mr. Utpal Mistry Mr. Sanat Barot Mr. Madhavji Patel Mr. Perci Savai Mr. Nilesh Shah / Hiren Desai

[2] Reception & Registration :

	SVNIT Staff	Local Alumni
Coordinators	Prof. R. I. Patel	Mr. Utpal Mistry
Members	Ms. Upena Dalal Mr. J. J. Patel Mr. D. I. Lalwani Mr. D. B. Gohil Mr. Pradip Patel	Mr. Deepak Jadia Mr. K. V. Doriwala

[3] Programme Committee :

	SVNIT Staff	Local Alumni
Coordinators	Dr. J. A. Desai	Mr. Utpal Mistry
Members	Dr. J. E. M. Mecwan Mr. Hemant Balsara Mr. A. K. Panchal	

[4] Banquet Committee :

	SVNIT Staff	Local Alumni
Coordinators	Prof. A. J. Shah	Mr. Jayesh Choksi
Members	Prof. H. D. Desai Dr. B. K. Samtani Prof. R. T. Patel	Mr. Girish Patel

[5] Public Relation Committee :

	SVNIT Staff	Local Alumni
Coordinators	Dr. H. B. Naik	Mr. Nitin Oza
Members	Mr. H. A. Parmar Dr. Sanjay Shah Prof. G. J. Joshi Mr. A. K. Desai	Mr. Ajitsinh Parmar Mr. B. M. Patel Mr. Bankim Vashi Mr. Gyanendra Sharma

[6] Souvenir Committee :

	SVNIT Staff	Local Alumni
Coordinators	Dr. R. A. Christian	Mr. Kamal Modi
Members	Prof. A. M. Desai Dr. Z. V. P. Murthy Mr. S. A. Vasanwala	Mr. K. B. Waghani

[7] Constitution Committee :

	SVNIT Staff	Local Alumni
Coordinators	Dr. N. C. Shah	Mr. Parimal Desai
Members	Prof. D. R. Patel Mr. D. V. Bhatt Mr. R. P. Gohil	

[8] Accommodation Committee :

	SVNIT Staff	Local Alumni
Coordinators	Dr. N. J. Mistry	Mr. Girish Patel
Members	Dr. C. D. Modhera Dr. N. K. Datta Mr. B. M. Sutaria	Mr. Hiren Sherdalal

[9] Cultural Programme Committee :

	SVNIT Staff	Local Alumni
Coordinators	Dr. M. N. Mehta	Mr. Ashok Moitra
Members	Prof. V. M. Daiya Dr. K. P. Desai Dr. A. K. Shukla Mr. A. K. Panchal	Mr. Mahesh Vakil Mr. J. T. Desai

[10] Stage Decoration Committee :

	SVNIT Staff	Local Alumni
Coordinators	Mr. K. A. Chauhan	Ms. Hema Dudhwala
Members	Dr. K. P. Desai Mr. Y. R. Naik Mr. Vankar	

[11] Fund Raising Committee :

	SVNIT Staff	Local Alumni
Coordinators	Dr. S. A. Channiwala	Mr. Madhavji Patel
Members	Dr. N. C. Shah Dr. H. S. Patil	Mr. Bhadresh Shah Mr. Mukesh Variawa Mr. Percy Savai

[12] Office Arrangement Committee :

	SVNIT Staff	Local Alumni
Coordinators	Dr. N. J. Mistry	Mr. Mukesh Variawa
Members	Dr. H. K. Raval Mr. M. D. Desai Mr. Sumekar	Mr. Jay Chauhan Mr. Rajesh Lakdawala

[13] Advisory Committee :

SVNIT Staff	Alumni
Dr. A. K. Dave	Mr. N. M. Bhatia (Delhi)
	Dr. Farokh Sorabji Umrigar (Principal, BVM, VVN)
	Mr. N. V. Vashi (Surat)
	Mr. Surendra Seth (Surat)
	Mr. Madhavji Patel (Surat)
	Mr. B. M. Desai (SMC, Surat)

Centre Coordinators

Baroda	Mr. Ketan Patel Mr. Sudhanshu Pota
Gandhinagar	Mr. Bharat Jain Mr. Harish Bhatt
Vallabh Vidhya Nagar	Mr. Farukh Umrigar
Delhi	Mr. N. M. Bhatia Mr. Milind Kulkarni
Ahmedabad	Mr. Yogesh Mehta
Mumbai	Mr. P. D. Kaul
Navsari	Mr. Sanjay Desai Mr. Devu Desai Mr. Bankim Desai

Report
on
Training & Placement Activities at SVNIT, Surat
by
Dr. D. B. Naik

The "Training and Placement Section" headed by Dr. D. B. Naik (Ph.D. in Mechanical Engineering) is actively involved in providing training as well as placement to the students of all the branches of this institute.

The T&P section provides an interface between industry and students. The T & P students committee is formed which includes limited number of students of all branches who work hard all throughout the year.

Objectives:

- › to act as liaison between industries and institutes.
- › to provide in-plant industrial training to students.
- › to promote career counseling by organizing guidance lectures by eminent professionals from industry and academic fields.
- › to invite and encourage reputed companies for campus recruitment programme.

The "Training & Placement Section" of the Institute is actively involved in providing training as well as placement to the students of all branches of this institute. For the pre-final year students of "Chemical" and "Production" Engineering branches, four weeks of Industrial Training in the summer vacation is a part of curriculum, arranged by T&P section. The section also helps in providing Industrial Training for the students of all other branches in vacation. In the academic year 2003-04, applications of about 250 students were forwarded for vocational training, over and above compulsory training of 60 students and 30 students of pre-final year from Chemical and Production Engineering branches at the end of sixth semester.

The T&P section provide an interface between "Industry" and "Student". Looking at the recent liberalization and globalization in industrial policies, there are very good job potential for the students. The T&P section is actively involved in arranging "Campus Recruitment Programme" for placement of students in several industries of national and international repute. In the academic year 2003-04, 184 students have been selected for placement as per details shown in TABLE – I. The list of Companies which had visited the Institute in the last few years are shown in TABLE – II and the placement

record for the last few years is given in TABLE – III. The placement activities of pre-final year students start immediately after the sixth semester examination.

With the blessings of the Director of this Institute, this section gets co-operation from all the teaching and non-teaching faculty as well as students. The "T&P Students Committee" is formed which includes limited number of students of all branches, who work hard throughout the year.

The Institute has sufficient infrastructural support for T&P activities viz. Computer Centre, Library, Computer with Internet facility in T&P Section, Telephone with STD facility and Fax facility, AC Conference Hall, OHP, TV, VCR, LCD Projector, Public Address System in Seminar Hall, Guest House with AC rooms and AC Conference Hall, two Drawing Halls with capacity of hundred students each etc.,

About forty one (41) companies have interacted for placement in the academic year 2003-04. For the present batch (2004-05) 18 companies have visited this Institute and selected 182 students from different branches.

TABLE – I

Placement Record for Year 2003 - 2004

No.	Company	No. of Students Selected							Total	Cum Total
		Co	Ec	E	M	P	Ch	C		
1	Tata Consultancy Services, Mumbai	8	8	5	5	2			28	28
2	Computer Science Corporation, Indore	1	1						2	30
3	Cognizant Tech. Solutions Pvt. Ltd., Pune	6	6	1	2				15	45
4	Larsen & Toubro Limited, Mumbai		2	1	6				9	54
5	Defence Research & Develo. Orga., Delhi	1	3		3				7	61
6	Patni Computer Systems Pvt. Ltd., Mumbai	6	5	4	4	1	3		23	84
7	INFOSYS Technologies Ltd., Bangalore		3	2	2		2		9	93
8	Ashok Leyland Ltd., Chennai				4				4	97
9	Tata Motors Limited (TELCO), Pune			1	1				2	99
10	Asea Brown Boveri Ltd. (ABB), Vadodara			2	1				3	102
11	Accenture Services Pvt. Ltd., Bangalore	2							2	104
12	Verizon Data Services (I) Pvt. Ltd., Chennai	1							1	105
13	L&T - ECC, Ahmedabad							1	1	106
14	Sanmar Engineering Corporation, Chennai					2			2	108
15	MALCO (Sterlite Group of Cos.), Chennai			1	1		2		4	112
16	Essar Steel Ltd., Hazira, Surat		1	2	2				5	117
17	Crompton Greaves Ltd., Mumbai			2					2	119
18	Bharat Petroleum Corporation Ltd., Mumbai			2	4				6	125
19	Cargill India Pvt. Ltd., Gurgaon (Haryana)				1		1		2	127

20	Cummins India Ltd., Pune				1				1	128
21	PI Industries Ltd., Gurgaon (Haryana)				1		2		3	131
22	Bosch Rexroth (India) Ltd., Ahmedabad					1			1	132
23	Gujarat Gas Company Ltd., Ahmedabad				1				1	133
24	ISPAT Industries Ltd., Raigad, Maharashtra	1	1	1					3	136
25	ATUL Limited, Atul						1		1	137
26	Polaris Software Lab (India) Ltd., Mumbai	1	1						2	139
27	Tata Chemicals Ltd., Mithapur, Gujarat				1		3		4	143
28	Shree Ambica Auto Sales & Service, Surat			4					4	147
29	Professional Tutorials, Surat, Gujarat	1					1		2	149
30	Satyam Computer Services Ltd., Hyderabad		2			3		1	6	155
31	Videocon Narmada Glass, Bharuch (Gujarat)				2	3			5	160
32	Swil Limited, Jhagadia, Dist. Bharuch (Guj.)						3		3	163
33	JMC Projects (India) Ltd., Ahmedabad							1	1	164
34	BMS Projects Pvt. Ltd., Surat (Gujarat)							5	5	169
35	HSBC Software Development (I) (P) Ltd., Pune	1							1	170
36	Peass Automation Ltd., Navsari (Gujarat)		2	1					3	173
37	Ahmedabad Electricity Co. Ltd., Ahmedabad			4					4	177
38	Dresser Rand Ltd., Ahmedabad (Guj.)				2				2	179
39	Cadila Pharmaceutacal Ltd., Ankleshwar (Guj.)						1		1	180
40	Hutch (India) Ltd., Ahmedabad		2						2	182
41	L&T Energy Centre, Vadodara (Gujarat)				1PG			1PG	2	184
	Total	27	37	34	46	12	19	9	184	

TABLE - II

LIST OF COMPANIES AT SVNIT - SURAT FOR PLACEMENTS

Sr. No.	Name of Company	Sr. No.	Name of Company
1	Sampoorna Computer People (Amdocs), Israel	51	Schindler's (India) Ltd., Mmbai
2	Infosys Technologies Ltd., Bangalore	52	DCM Technologies, New Delhi
3	Tata Consultancy Services Pvt. Ltd., Mumbai	53	b – IQ Technology Pvt Ltd., Hyderabad
4	Computer Sciences Corporation (P) Ltd., Indore	54	Bajaj Auto Ltd., Pune
5	Wipro Technologies, Bangalore	55	Emerson Network Power (Tata Libert), Thane
6	Patni Computer System Pvt. Ltd., Mumbai	56	Eicher Ltd., Aurangabad
7	Cognizant Technology Solution (P) Ltd., Pune	57	Voltas Ltd., Mumbai
8	Satyam Computer Services Ltd., Hyderabad	58	Gammon India Ltd., Mumbai
9	Kanbay Software (I) Pvt. Ltd., Hyderabad	59	Videocon International Ltd., Aurangabad
10	HSBC Software Development (I) Ltd., Pune	60	Tech – Pacific (India) Ltd., Mumbai
11	Larsen &Toubro Ltd., Mumbai	61	Tata Tele-services Ltd., Ahmedabad
12	Tata Motors Ltd., Pune	62	Transrail Engineering Company Ltd., Vadodara
13	Ashok Leyland Ltd., Chennai	63	D & H Secheron Electrodes, Mumbai
14	Asea Brown Broveri Ltd., Vadodara	64	Ahmedabad Electricity Co. Ltd., Ahmedabad

TABLE - III

Placement Record during 1999-00 to 2004-05 batches

Branch	Number of students selected through Campus Recruitment Programme					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05 (Upto October, 2004)
Electronics	39	50	40	28	37	52
Mechanical	26	46	32	31	46	36
Chemical	16	36	14	12	19	19
Civil	08	33	15	14	09	04
Electrical	23	31	21	21	34	29
Computer	21	23	14	25	27	38
Production	09	19	05	11	12	05
TOTAL	142	238	141	142	184	183

DEPARTMENTS AT A GLANCE

MECHANICAL AND PRODUCTION ENGINEERING

Total 14 Research Projects are undertaken worth 124 lacs in the departments. The total of about 34 lacs worth testing & consultancy work are undertaken by department. There are total 25 International Publications and 30 National Publications during last three years. One faculty is deputed under QIP for Ph.D. at IIT, Kanpur.

IDEAS V9, CATIA V5R8, AutoCad, VisualStudio are the software purchased. Electric Discharge Machine (EDM) is an asset in workshop of MED. Six expert lectures were delivered by outside experts and 32 expert lectures were delivered by faculty of MED during last three years. Last year two seminars were conducted by department. In last three years four Ph.D. are produced by department and 32 PG dissertations are guided.

Mr. D. V. Bhatt is looking after ISTE Students Chapter as well as Institute of *Engineers Students Chapter which is one of the largest chapter in India. This chapter* has organized 'UDGHOSH' for the first time in this region. Dr. S. A. Channiwala and Mr. D. V. Bhatt are present Faculty Advisors of SAE – SVNIT Collegiate Club.

APPLIED MECHANICS

Total testing consultancy work taken by department is about 5.5. lacs. Total 29 M.E. dissertations are completed in three years by department. About six Research Papers were published and presented during last three years. One Ph.D. is produced during last three years by the department.

STRUDS WIN Version 8.0, GT STRUDL, STAAD Pro – 2004, CADS softwares are procured. Three Expert Lectures were delivered by external experts in last two years. Two Seminars were arranged.

CHEMICAL ENGINEERING

Two Research Projects are completed by department in last two years. About 60 Papers were published in last three years. New Labs / Equipments / Software two added in CAD, MT, Research lab. About 60 research papers were presented / published by the staff members of ChED during last three years.

APPLIED SCIENCE & HUMANITIES

[A] MATHEMATICS & HUMANITIES SECTION

Four Ph.D. degrees are awarded during past couple of years. One Ph.D. student is registered under Dr. M. N. Mehta. Four Research Papers were presented in national level conferences and 3 papers were published in National Journals. Dr. M. N. Mehta, chaired the technical session at 4 National level conferences and three expert lectures were delivered.

Dr. A. K. Shukla visited Institute for Mathematics and its applications, University of Minnesota, Minneapolis (U.S.A.) for participating summer programme entitled 'Special function in Digital age' from 22-7-2002 to 2-8-2002 and published one research paper and attended two conferences at Surat and presented his research paper. Mr. H. P. Bulsara of Humanities Section has delivered two expert lectures recently and participated actively in Entrepreneurship Awareness Camp.

[B] PHYSICS SECTION

Presently one course Engineering Physics is offered at the first year level of 4 year integrated degree course.

A fully equipped U.G. laboratory in Physics Section is used to impart the knowledge of various scientific methodologies and understanding of physical concepts and phenomena with in situ experiments and measurements. Recently the Physics Section has acquired few LASER sources for induction in the optical experiments and for use in optical fine measurements that shall broaden the sectional competence in better providing testing and consultation services. In light of the recent developments and possible available resources, the section is planning to start few Post Graduates courses in various Physics branches viz. Space Physics, Plasma Physics, Optical Communication, Laser Physics etc.

[C] CHEMISTRY SECTION

Two students are awarded Ph.D. degrees in Chemistry in 2003. Three papers were presented and two papers were published in the National / International conferences / Journals. Dr. G. N. Mehta, Professor & Head was on the organizing committee of 11th National Congress on Corrosion Control held in Vadodara in 17-19 July 2003 and helped mobilizing effectively from Vadodara, Bharuch & Surat districts.

CIVIL ENGINEERING

The department is one of the pioneering department, since the inception of the college in 1963. Over the years the department has progressed at the rapid pace with the development in both the spheres of infrastructure facilities and faculty members. The department has highly qualified faculty members engaged in teaching and research with the aim of achieving excellence in various field. The faculty members are specialized in different discipline of Civil Engineering. The basic research area of department pertains to Traffic and Transportation Engineering Town Planning, Environmental Engineering and Water Resource Engineering Ph.D. level research facility is available. The department has organized nearly eight Winter/Summer schools with support of ISTE/AICTE mainly in the areas of Traffic Engineering Transportation Management, Rural Development and Environmental Engineering and few national seminars on Environmental aspects and Water Resources Engineering. Environmental Audit Cell of Civil Engineering department is carrying out Environmental Audit work with many industries, some of which includes Reliance Industries Ltd., Surat, amounting to Approx. 29 lac. The department is nominated as State Technical Agency for Pradhan Mantri Gram Sadak Yojna by the Ministry of Rural Development, Govt. of India, New Delhi for Gujarat State and U.T. of Div. Daman and Dadra Nagar Haveli. The department is scrutinizing the D.P.R. and Estimate worth more than 100 crores every year.

The department is also accredited by NBA, AICTE, New Delhi and gave 'A' Grade for its U.G. course Civil Engineering and P.G. course in Environmental Engineering is awarded by NBS.

ELECTRONICS ENGINEERING

This engineering discipline was started in 1982 in this institute and then it was established with independent department with advanced infrastructure facility. Now, department is lightening as the centre jewel in the crown of the institute with the intake of all high caliber all India level AIEEE students to award B.Tech degree. Over the years

the department has progressed at the rapid pace with the development in both the spheres of infrastructural facilities and advanced syllabus compatible with the practical field innovation. Department offers full length subjects related to Electronic & Communication. The department computer system laboratory and advanced project laboratory is fully equipped with 2 Mbps Internet and simulation software facility with superb advanced Pentium computers. Department also consists advanced instruments and practical modules in Communication laboratory, System Design laboratory, Digital & Microprocessor laboratory, Electronic circuits laboratory. Every year around more than 60 % students are selected in campus interview and getting their high profile job. Many students appear in competitive test like GRE, GMAT, GATE for higher studies. The department students are spreading their blossoms by interacting and participating in Inter-college and National level paper presentation and winning awards / prize of high caliber. Department offers hardware and software related practical field project from the 2nd year study. Some of the recent project undertaken are : Orthogonal FDM using DSP processor, Application of wavelet Transform – character Recognition, PC based Data Acquisition card, Microcontroller application in Robotics, Speech Processing and Data Compression, High Speed Ethernet switch using Microcontroller. Department all classrooms are equipped with the facility of OHP and LCD projector. Apart from this, practical field visits are under taken to have general awareness of all processes and techniques in the field. The department organises the summer/ winter schools. The department has proud possession of air-conditioner Seminar Hall with projection and audio-video facilities for organizing technical programmes.

ELECTRICAL ENGINEERING

Research projects worth 24 lacs all completed / undergoing within last three years. Consultancy worth one lac was undertaken last year. Six Research Papers are presented / published during last three years. Three Staff Members were deputed for M.E., M.Tech. under QIP scheme and one staff member was deputed for Ph.D. during last three years. The equipment / software worth about 5.5 lacs were procured during last three years.

COMPUTER ENGINEERING

The B.E. Degree course in Computer Engineering introduced in 1987 has grown quite a lot keeping in pace with the Information Technology Industry. The curriculum offered is a judicious amalgamation of both hardware and software. Superb computing facilities alongwith unlimited access to the ocean of information called INTERNET helps to bring out engineers of high caliber. It has close association with Electronics Engineering Department which runs four well laboratories and full-fledge computer room with Pentium machines, SCO, UNIX, LINUX, NOVELL and Windows NT serves. In addition to this Central Computer Centre (Centre of Excellence) caters to the computing needs of all the students. The Department has constant interaction with industry in the form of consultancy and other services. Students also take up projects offered by the industry. Some of the database software aides in our Institute have been conceptualized and implemented by our past students in association with and faculty members. Software testing (National Aerospace Labs, Bangalore), Digital Image Processing, GUI on UNIX Data Compression etc. represent some of the challaning projects successfully completed during past few years. Some of the future projects, which will involve the state-of-the-art work, are building and firewall system, Network Statistics under Linux etc.

ESTATE SECTION

~~Extension Work of Canteen and Computer Engineering Building are completed.~~

The vertical extension of canteen building will be taken looking to the over crowding during peak hours. Moreover, the hostel canteen is also constructed which will be useful during examinations preparation period.

The Electronics Engineering Department was extend vertically with facilities of various laboratories, classrooms, seminar rooms, amenities etc. Extension of Computer Engineering Building is completed. The Civil work of Construction of New Boys' Hostel Building (192 Capacity) has been completed with electrification and furniture. Another New Boys' Hostel Building for 200 capacity is under construction. The work of Class Room Complex (6 Class Rooms plus Amenities) was completed including electrification and furniture.

The Basket Ball Court was constructed and put in use during the year. Another Basket Ball Court is also under construction and planned to put in use during this year. The Basket Ball Court was ready with electrification to play even in night hours. The badminton court is renovated.

CENTRAL COMPUTER CENTRE

Well established Central Computer Centre with more than 100 latest original Intel Pentium – IV processor based machines.

Well established Computer Laboratories in every department, section and computer facilities in each administrative office.

Campus wide fibre optic connectivity connecting all the departments, sections with each other including administrative office – proposed to be extended to hostels, residential zones shortly.

Individual logings for the students on the machines at the Central Computer Centre.

3 Mbps (1:2 shared) wireless Internet connectivity.

Various engineering application / development software like MATLAB, Saber Mixed Signal Simulator, STADD, Stardyne, Pro Engineer, Java Developer, Web Application Server etc.

Online library server with web-based access and support.

Webste : <http://www.svnit.ac.in>

LIBRARY

Printed Form :

- * Books – 61,263 ; Bound Volumes – 6825
- * Proceedings – 513 ; Indian Standards – 15,811
- * Dissertations – 324
- * Journals Subscribed – 66

Electronic Form :

- * Video Cassettes – 1042 ; CD Rom – 369 ; Floppy – 167
- * Virtual Library – for access of on-line Electronic Journals & Books ; Links with Digital and Virtual Libraries of Universities all over the world (Developed by the Librarian Shri T. B. Ghosh)
- Digital Library Initiative:
- Recently E-print server has been installed at <http://eprints.svnit.ac.in> Application of this server is under process.

- Following Online Journals are subscribed through INDEST Consortium:
 - IEL Online (Includes all IEE & IEEE Journals)
 - Springer Verlag's: Link (Includes all technology & Engineering Journals of Springer Verlag)
 - Applied Science and Technology Plus
 - ACM Digital Library
 - ASCE Journals
 - ASME Journals
 - Nature
 - Indian Standards Online
 - JCCC (J-Gate Custom Content for Consortia)
- **Virtual Library**
- Virtual Library and E-print Information Sources have been developed by the Librarian at the following URL:
 - (1) http://www.geocities.com/ghosh_svrec and
 - (2) http://www.geocities.com/ghosh_svrec/eprint.html from where a lot of Online Electronic Journals, Online E-books, Online Databases and E-prints of thousands of scholarly articles are freely accessible

HOSTELS

The Institute Campus has eight hostels accommodating about 1182 students. Dr. R. A. Christian is the Chief Hostel Warden and Dr. D. P. Vakharia is Additional Chief Hostel Warden. There are eight other wardens to assist in the overall administration of the Hostels. The particulars of Wardens, type of accommodation and the seats are as mentioned below :

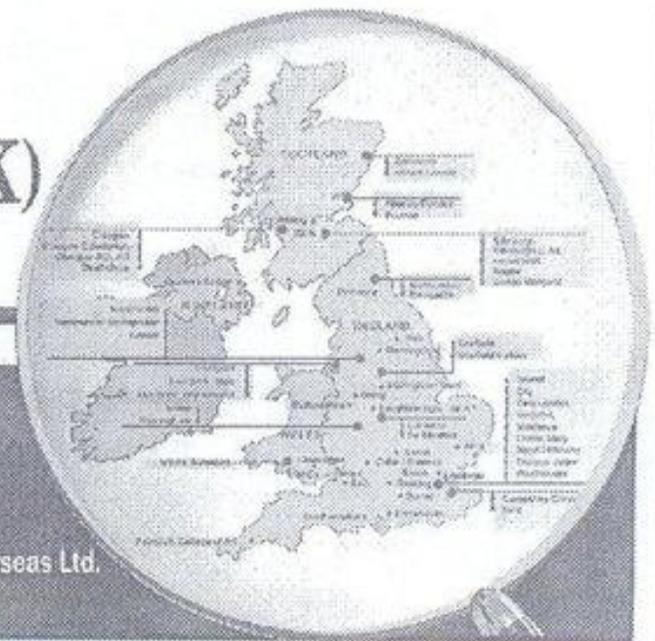
Sr. No.	Name of the Hostel	Accommodation	Capacity	Warden
1	Bhabha Bhavan : H-1	Triple Seated	150 Students	Dr. A. K. Shukla
2	Narmad Bhavan : H-2	Triple Seated	150 Students	Prof. M. B. Maisuria
3	Sarabhai Bhavan : H-3	Triple Seated	150 Students	Dr. N. K. Datta
4	Gajjar Bhavan : H-4	Single Seated	144 Students	Shri D. I. Lalwani
5	Gandhi Bhavan : H-5	Single Seated	144 Students	Prof. G. J. Joshi
6	Sardar Bhavan : H-6	Single Seated	144 Students	Dr. Sanjay Shah
7	Kasturba Bhavan : H-7	Double Seated & Triple Seated	108 Students	Ms. D. P. Rana
8	Tagore Bhavan : H-8	Single Seated & Double Seated	192 Students	Prof. P. B. Darji
		Total	1182 Students	

Kasturba Bhavan and Sarojini Bhavan are meant for girl students. Sarojini Bhavan provides accommodation to 25 girls of 1st year. The Hostel authority tries to accommodate all the students in the existing hostels. *Looking to the present demand for the hostels, one new boys' hostel is approved and work is under progress.* The mess management is preferably done by Students Mess Management Committee, which is formed by the elected representatives from the hostel inmates. However, the mess management in Bhabha Bhavan (Hostel – 1), Narmad Bhavan (Hostel – 2), Sardar Bhavan (Hostel – 6) is run on contract system. It is under consideration to convert remaining hostel messes in to contract basis progressively. Average mess bill in the hostels for the year 2003-2004 varied from Rs. 900/- to Rs. 1000/- per month.

Each hostel individually has recreation facilities in the form of T.V. Rooms, Cable Facilities, Music System and also have the facilities like Reading Rooms, Sports Kits, Table Tennis Rooms, Volley Ball Ground and Common Students' Activity Centre. This year various inter hostel sports events such as Volley Ball, Table Tennis and Badminton were organized. Moreover additional Recreation is provided to the students by screening of a 'Hindi Movie' during the semester on every Saturday evening, in the Central Canteen Lawn, which are enjoyed by the majority of the hostel inmates.

Total 21 students who applied for financial assistance were sanctioned 50% of Mess Bill exemption from the Hostel Needy student's Fund. Many other facilities are also available in the form of washing machines, telephone facilities and one central STD/PCO facility. Xeroxing facility is also made available to the students. Each hostel is also provided with a water cooler, cooking gas system etc. Hostel office is also equipped with Computer facility.

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STUDENTS' FORUM OF SVNIT, SURAT

BY

Er. MUKESH VARIAWA (C – 81)

The underlying idea of establishing such a forum, an interaction between students and the professionals is one thing which is missing today. Though students are capable of mastering theoretical aspect under the able teaching faculties we have in our Institute, they lack practical aspects that they have to face once they come out and it becomes very difficult for the students to adjust and master the subject. SVNIT Alumni Association may work as a bridge and provide necessary exposure to the students when they are still in the Institute.

What SVNIT Alumni Association can do for the students studying in the Institute ?

- (1) To provide platform for interaction of students and dialogue with professionals and members of SVNIT Alumni Association.
- (2) To provide an exposure to the leading industries.
- (3) To manage short term onsite training programmes.
- (4) To reduce gap between various industries and Institute.
- (5) To provide assistance in procurement of jobs on acquiring their Degrees.
- (6) To carryout welfare activities for students, such as to provide assistance / help in their requirements in context of their education including various facilities.
- (7) To provide facilities to improve their study conditions.
- (8) To arrange technical visits to various industries and projects of importance.
- (9) To appreciate the top ranking students by awarding merit certificates / medals etc. for all branches.
- (10) To provide help and assistance to students in creative and constructive activities.
- (11) To provide exposure towards fast developing world of technology by inviting them to the technical lectures / seminars to the various associations and also by involving them in order activities such as cultural, entertainment, environmental awareness, Valuers forum etc.

Training Programme :

Alumni Association can provide practical training programme as a part of the entire last year study and request the Institute to make training a part of the curriculum so that due weightage may be given to it in the final examination. I am sure this will help students to become better engineers and they will become more acceptable to the profession when they come in the field.

Placement Services :

Today as we know it is very difficult for fresh engineers to get suitable placement. If we can offer trainee engineer post with some stipend say for a period of six months to a year, fresher will not have to be idle while searching suitable job and they will have very useful practical training to prepare them for challenging jobs. Our Alumni members can also consider absorbing some of them whom they may find useful. If this is done it will be a great help to the students community and we shall be able to put National Wealth-Students' to productive use.

Er. Bhadresh Shah (C - 76)
Cons. Engr., Arch. & Developers

Surat, Commercial capital of Gujarat and ninth biggest city of the country having four million plus population, is fastest developing city with growth rate of 61%, highest in the India. It is the biggest textiles centre of the India, having more than six lacs power looms, more than 500 processing houses and more than 50,000 shops and offices mostly in textile market area. Surat is biggest diamond manufacturing city, not only in India but in the whole world. Also, it is the main centre of Jari Industry. In last twenty years, Hazira, a Suburb of Surat, has emerged as a one of the biggest industrial area of India, worth projects of more than 100 thousand crores. Few of them are Reliance, Essar, L&T, Kribhco, NTPC, ONGC and Gail, which has a benefit of Arabian sea and natural port of Magdalla. Surat pays maximum taxes per year per capita, in whole of the country, more than 4,000 crores, in terms of excise and custom, income tax, sales tax and service tax. Surat is now new and exciting destination of an investment, which attracts lot of new entrepreneurs and people from all over the India and world. As such this is not new story, but history says that the British, the French, the Dutch and the Portuguese launched their establishments, first in Surat only.

Once known as dirtiest, most polluted and congested city of the country, has taken now U turn surprisingly, in last 10 years. Now it is miraculously most clean and green, bigger and wider, live and vibrant city of the India which has won many awards in the country and abroad, for the same. Not only that, but it has attracted most of the administrators of most of the civic bodies of country and abroad, who have visited Surat and tried to understand this miracle of only last 10 years.

Thanks, to the so called epidemic of plague, who shocked and slapped to "Laheirilala Surati Sahelani" to awake, and a rise of commissioner S. R. Rao, in year 1995, who undoubtedly and unhesitatingly, can be titled as "Man of the Century for Surat", who showed unique courage, to demolish more than 20 to 25 thousand buildings, fully or partially, which were under the line of alignment planned and sanctioned before 30 - 40 years. Roads were widen immediately, with wall to wall carpeting, with footpaths and road dividers. Traffic Islands and Rotaries with fountains and statues in it and tree plantation on both the sides and in the divider turned city in to most beautiful, clean, green and dust free city. Hats to Commissioner S. R. Rao.

City have been divided in to six zones for efficient and perfect administration. Octroi and house tax are the main backbone for income of the city, which is probably highest in the country, again per capita, and that is why Surat has progressed tremendously in all the directions of developments.

Few of them are listed below which are constructed and developed in the last 10 years.

- Initially, respectively 15% and 40% of the population where covered under the facility of potable water supply and drainage network, which is now nearly covering 100% of population, this is a great achievement towards healthy living of citizens. Most modern and well equipped water supply plants and drainage disposal plants have been constructed during last 10 years.
- Most of the slum pockets have been removed by giving them alternative stay, or upgraded by re-planning of it and also by providing them basic amenities of roads, potable water, drainage lines, electric lines etc. This process is still going on.
- More than 50 new parks and gardens have been developed, about seven lakes with boating facilities and a big botonical garden have been developed or are under the process.

- Libraries, Swimming Pools, Fire Brigades, Health Centres, Auditoriums have been constructed or under planning, at least one in each zone. A very decent and modern "Kavi Narmad Central Library" has been constructed.
- More than 100 Municipal Schools have been commenced.
- Historical glory of the "Gopi Talao", in the heart of the city is in the process of again being established with surrounding development of multi purpose complex.
- An Indoor Stadium of capacity of more than 7000 seats in it and with 545 mt. A. C. plant has been constructed at the expense of more than 21 crore rupees, which is a crown attraction of the city.
- Network of Fly Over Bridges, longest four lane fly over bridge at Varachha Road of 2.75 km, four lane fly over bridge on Ring Road, Textile market area of 1.75 km and fly over bridge at Athwa Junction have been completed and number of other such bridges, like at Majuragate Junction, Delhigate Junction are under construction. Only Surat can boast such a modern network of roads and fly overs.
- Including three mega bridges on river Tapti, more than 80 small bridges and culverts have been constructed. A Vier cum causeway have been completed at the cost of 35 crore rupees with the help of industries of Hazira.
- Surat is now not only commercial city but also becoming an academic hub. Initially there was only one Medical and one Degree Engineering college, now there are three Medical colleges and four Degree Engineering colleges. The four new Management colleges have come up, also lot of new Arts, Commerce, Science, Education, Law colleges etc. have started. Lot of new Schools of National level have been started.
- Surat Municipal Corporation is organizing lot of annual events like, annual book fair, flower and handicraft fair, annual drama competition etc. are very popular and unparallel to activities of the other cities.
- The Southern Gujarat Chamber of Commerce and industries, Surat is also most active and vibrant organization encouraging new business and industrial establishment in the city. They are also organizing lot of annual events like Udyog – mega exhibitions, Yarn mela, tours and travel exhibition, exhibition of only women entrepreneurs, etc.
- Construction at the cost of 23 crore rupees of an art gallery, science centre, museum, amphitheater & cafetarea complex will be completed within a year or two.
- There is complete piece and harmony as far as industrial labours are concern.
- New International reputed banks and organizations have started functioning in Surat.
- "Special Economic Zone" diamond park, apparel park, jari park and jewelry park is also planned and started functioning.
- Surat Municipal Corporation is most efficient and vibrant, it has introduced e-governance. To serve citizens well, number of fully computerized civic centres are opened throughout the city.

Surat city civic body has planned a road map of progress, "Surat : Vision 2020" and working hard to realize it. Surat is also having best climatic condition throughout the year.

Wel-come to city of Surat, city of future, land of fortune and opportunities. Most exciting new destination of investment and permanent stay having finest living standards and climate.

Diamond industries -- Its growth & influence by Engineers

By

Er. Utpal Mistry (Ec – 89)

What is the difference between developed countries and age old countries like India and Egypt? Is it what we lack natural resources or intellectual properties or experience or anything else.

The actual difference is the attitude of the people framed along the years by the education and the culture. Will of doing any responsible job for your country with full ethics and integrity can lead to results which the diamond industry has shown in recent years.

15 years ago when I had graduated in electronic discipline from this same institute with a Gold Medal , I was so reluctant to get in touch with the people of this said trade. It was the attitude and it cannot change unless you strive to do something different. My Indian morals driven by a great motivated force from my Parents and well wishers , asked me to make USA in INDIA. The same diamond industry has uplifted my own morals & has pumped up enough will of super power that today my company stands as fore runner among all, not only in India but around the globe. Today we can proudly say that out of 100 diamonds process in world, 99 are processed in India, for which I can humbly say that I have definitely played some part in one or the other form.

And the quality of this work is exemplary for any other industries. 15 years ago the whole diamond manufacturing business was in the hands of developed countries like Belgium & Israel. Today the scene has reversed.

The Key factors which has led to this situation are

- 1) The trade has positively adopted change and has taken help of Hi-tech machinery keeping perfect balance between Art and the Mechanization.
- 2) Experienced / intellectual low labor cost
- 3) Willingness to do some thing different & better to attain the super realistic goals.

It would be easy for any engineers to flew away to developed countries like USA and UK after graduation and make many contribution for the land who has not sown any seeds but is happy harvest the crops.

You can imagine the scene of India , if all the engineers or professionals for whom India had given her best of education and the morals , repay this obligation even in a smallest of form.

~~To end with I would like to appeal to all students, Engineers, M.B.A graduates to think positively in this direction neglecting all the hurdles which may arise in making India one of the most richest and lovable place to live, for which you feel proud and conceited.~~

Jai Hind.

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Janak Mistry

B. E. Mech (1985)

SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT
(Deemed University)

LIST OF FACULTY MEMBERS

Sr. No.	Name of the Faculty Members	Designation	Qualification
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(A) DEPARTMENT OF APPLIED MECHANICS			
1	Dr. Patil H. S.	Professor & Head	M.E., Ph.D. (IIT, Bombay)
2	Prof. Raijiwala D. B.	Asst. Professor	M.E.
3	Prof. Desai S. N.	Asst. Professor	M.E.
4	Prof. Patel R. T.	Asst. Professor	M.E.
5	Dr. Mistry B. B.	Asst. Professor	M.Tech., Ph.D. (IIT, Bombay)
6	Shri Mehta B. J.	Lecturer	M.E.
7	Dr. Desai J. A.	Lecturer	M.E., Ph.D. (S.G.U., Surat)
8	Shri Shah A. J.	Lecturer	M.E.
9	Shri Desai A. K.	Lecturer	M.E.
10	Shri Vasawala S. A.	Lecturer	M.E.
11	Shri Solanki C. H.	Lecturer	M.E.
12	Dr. Modhera C. D.	Lecturer	M.E., Ph.D. (IIT, Bombay)
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2	Dr. A. K. Shukla	Lecturer	M.Sc., M.Phil., Ph.D. (A.M.U., Aligarh)
CHEMISTRY			
1	Dr. Mehta G. N.	Professor & Head, ASHD	M.Sc., M.Phil., Ph.D. (S.G.U., Surat)
PHYSICS			
1	Dr. Vaidya S. P.	Asstt. Professor	M.Sc., Ph.D. (S.G.U., Surat)
2	Dr. Pathak K. N.	Lecturer	M.Sc., Ph.D. (S.G.U., Surat)
(C) DEPARTMENT OF CIVIL ENGINEERING			
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3	Prof. Samtani B. K.	Asstt. Professor	M.E.
4	Prof. Patel N. N.	Asstt. Professor	M.E.
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6	Mrs. Khambete A. K.	Lecturer	M.E.
7	Shri Battiwala B. J.	Lecturer	M.E.

8	Dr. Patel R. I.	Lecturer	M.E., Ph.D. (IIT, Bombay)
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3	Prof. Shah V. A.	Asstt. Professor	M.E.
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7	Shri Jariwala H. R.	Lecturer	B.E. (deputed for M.Tech.)
8	Ms. Chauhan M. S.	Lecturer	M.Tech.
9	Ms. Chudamani R.	Lecturer	M.Tech. (deputed for Ph.D.)
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11	Dr. Ms. Chaudhury A.	Lecturer	M.E., Ph.D.
12	Shri Panchal A. K.	Lecturer	M.Tech.
13	Shri Darji P. B.	Lecturer	M.E.
14	Kundu Prasanta	Lecturer	M.E.
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4	Mrs. Upena Dalal	Lecturer	B.E.
5	Shri Shah Prasant K.	Lecturer	B.E.
6	Shri Sarvaiya J. N.	Lecturer	B.E. (deputed for M.Tech.)
7	Shri Darji A. D.	Lecturer	B.E. (deputed for M.Tech.)
8	Shri Patel P. N.	Lecturer	B.E.

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8	Shri Kanirkar N. B.	Lecturer	B.E., M.B.A.

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15	Shri Desai T. N.	Lecturer	M.E.
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17	Dr. Vekheria D. P.	Lecturer	M.E., Ph.D. (IIT, Delhi)
18	Dr. Desai K. P.	Lecturer	M.E., Ph.D. (S.G.U. Surat)
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22	Shri Maisuria M. B.	Lecturer	M.E.
23	Dr. Banerjee J.	Lecturer	M.E., Ph.D. (IIT, Kanpur)
24	Shri Gohil D. B.	Lecturer	M.E.
25	Shri Shaikh A. H.	Lecturer	M.E.
26	Shri Bhatt D. V.	Lecturer	M.E.
27	Shri Lalwani D. I.	Lecturer	M.E.
28	Shri Doshi A. V.	Lecturer	M.E.
29	Shri R. D. Shah	Lecturer	M.E.

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3	Ms. Chakraborty M.	Lecturer	M.Tech.
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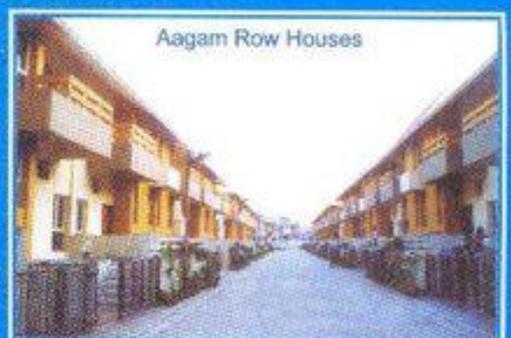
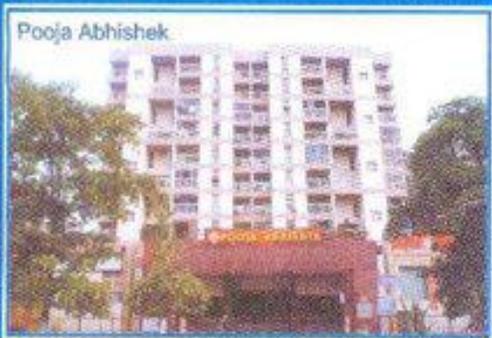
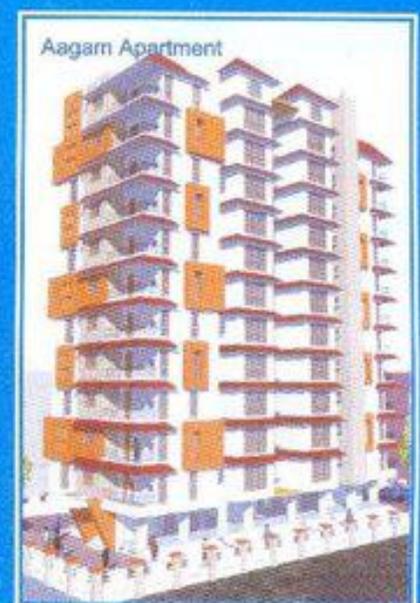
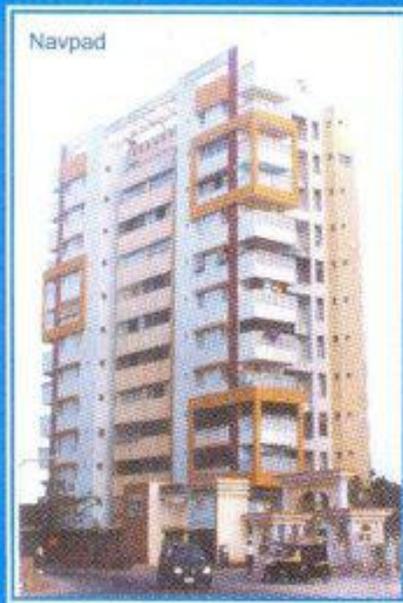
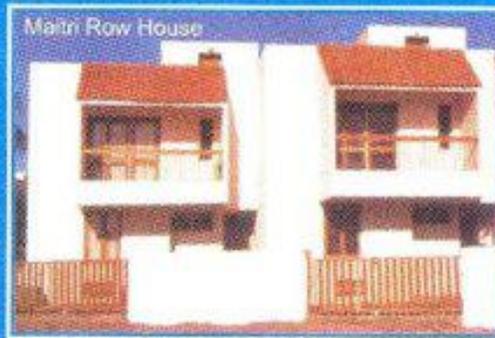
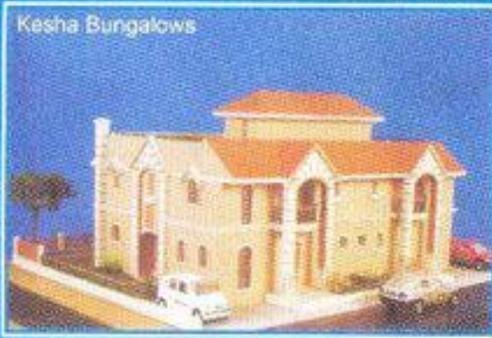
(I) PHYSICAL EDUCATION SECTION

1	Dr. Datta N. K.	Lecturer	M.P.Ed., M.Phil., Ph.D.
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(J) TRAINING AND PLACEMENT SECTION

1	Dr. Naik D. B.	Professor & Head	M.E., Ph.D. (S.G.U., Surat)
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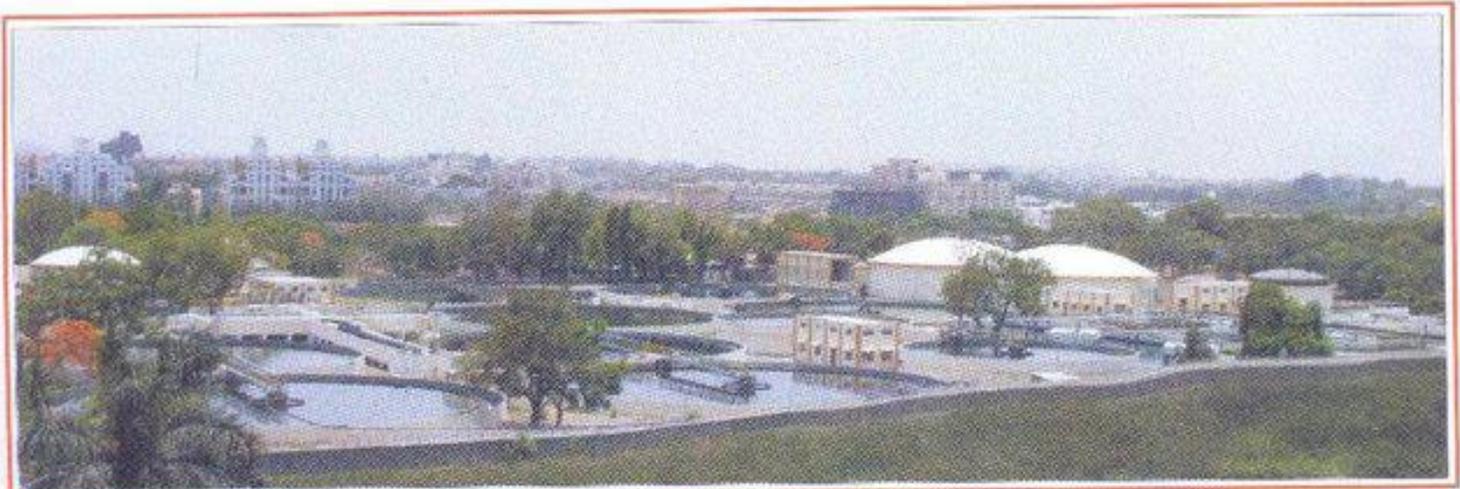
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The ancient "TIRTHDHAM" with a fascinated face-lift
and a piously celebrated spot of South Gujarat



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