

MANDATORY DISCLOSURE

2009-2010

**SUBMITTED TO
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**

FROM

**FACULTY OF TECHNOLOGY AND ENGINEERING
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA
VADODARA – 390 001**

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I) NAME OF THE INSTITUTE

Faculty of Technology and Engineering – Kalabhavan, Vadodara – 390 001
FAX – (0265) – 2423898, TELE NO – (0265) – 2434188

II) NAME AND ADDRESS OF THE DEAN

Prof B.S.Parekh(Dean)

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III) PROFILE OF THE DEAN

1. Name : Prof B S Parekh
Residential Address : 2 B, Charotar Park Society
Old Padra Road
Vadodara 390 020
2. Designation: Prof. : 31st January, 1992
with date of Reader : August 1987
appointment Lecturer : September 1982
4. Date of Birth : 14.12.1955
5. Academic Qualification : B.E. (Electrical) – 1st Class with Distinction,
MSU, 1978
M.S. – 1st Class, Illinois Institute of Technology,
Chicago, USA, 1980.
6. Experience Teaching : 22 years
in years Non-teaching : 2 years
R & D Engineering Experience
Jyoti Ltd. June 1978 to Dec. 1979
Star Elec. & Holding Pvt. Ltd. Jun.81 – Dec.81
Digital System Int. Dec. 81 – Sept. 82

IV) NAME OF THE AFFILIATING UNIVERSITY

The Maharaja Sayajirao University Of Baroda, Fatehgunj, Vadodara–390 002
www.msubaroda.ac.in

V) INSTITUTION AND PROGRAMME

Introduction - The Maharaja Sayajirao University of Baroda.

The Maharaja Sayajirao University of Baroda is one of the oldest and largest Universities in India is celebrating the 60th year old its establishment in 2009. It is attracting as many as 35, 000 students to its various faculties every year. Founded as Baroda College in 1879 by Maharaja Sayajirao Gaekwad – III as college of Arts, M. S. University came into existence in 1949 by combining all the independent autonomous colleges in Baroda. Many brilliant scholars and renowned writers of the country have taught and graduated from this university. They included personalities like Shri Aurobindo, Shri Vinoba Bhave, Shri K. M. Munsji, Shri R. V. Deasai, Shri I. G. Patel, Smt. Hansa Mehta (became the first Vice-Chancellor of M. S. University), Shri Ambedkar and Shri Sam Pitroda.

campuses like Arts, Science and Commerce (Sayajigunj), Administrative Building (Fatehgunj), Medical College (Near Kothi) and Kalabhavan (Faculty of Technology and Engineering) (Dandia Bazar) are situated in the heart of the city and are easily accessible from Airport, Railway station and Bus station. The city is known for its beautiful gardens, palaces and cultural professionals and recreational centers.

Historical Growth

The Faculty of Technology and Engineering as it stands today formed alongwith the establishment of Maharaja Sayajirao University in 1949 is an outgrowth of what was popularly known as the Kalabhavan Technical Institute (KBT) established in June 1890 by late His Highness the Maharaja Sayajirao Gaekwad III of Baroda State. In May 1990, it completed **more than** hundred years of glorious services for the causes of Technical Education.

The Kalabhavan started its activity in 1890 with the modest but novel objective of producing skilled artisans and apprentices by imparting instructions in local language in the following fields: (a) Civil, Mechanical and electrical Engineering (b) Drawing and Painting Architecture and Photo-engraving, (c) Textile Chemistry including Dyeing, Bleaching, Sizing and Printing, Oil and Soap making etc. with the assistance of German experts and foreign-trained teachers under the able stewardship of Principal T. K. Gajjar. Other courses on textile Technology (weaving), Furniture making and Fine Arts were started later. Principal C. H. Vora consolidated these pioneering efforts into a Polytechnic by starting a variety of Diploma and Certificate course in the above major discipline, with the additional staff, laboratories and buildings. The Polytechnic status with steady development continued until 1949 when the Kalabhavan was converted into Faculty of Technology and Engineering (with the establishment of the Maharaja Sayajirao University and the New Building of the Institute). From this stage onwards, the Institute developed rapidly recognizing no bounds.

The courses offered at present by the Faculty leading to specific degree are:

B. E. (Civil, Mech., Elect.) 1949; B. Text. (E), 1953; B. Text. (T), 1955; M. E. (Civil, Mech., Elect.), 1956; Diploma courses in CME shifted to a New Polytechnic Building (1957); B. E. (Chem.); Post B. Sc, B. E. (Electro.); B. E. (Met.); M. Text. (E), 1965; B. Pharm., M. Sc (App. Physics) and Part Time Degree in CME (1973); M. E. (Ind. Met.), M. Sc (App. Maths), 1974; B. Sc Tech. (Text. Chem), 1976; M. Sc (App. Chem), 1978; P. G. Diploma In Low Cost Housing, M. Pharm., M. E. (Chem.), M. E. (Ind. Electro.) 1979; M. E. (Comp.), M. E. (Mat. Tech.), 1980; B. E. (Comp. IWM) and Irri. Man. and Inst., 1982; Post B. Sc. Diploma in Corro. Mat. Testing, Solid State Electro. O. R., D. C. A. and Envi. Sci., 1983; M. E. (Fra. Mech., Water Mang., Jet Prop. and Microprocessor) with UNDP assistance (1986).

These hectic developments resulting in creation of 15 departments, a Workshop, a Library and several buildings were possible due to the financial support mainly from UGC and aided by UNDP, USAID and Government agencies, and also due to the dedicated efforts by the

Institute, Deans and Teachers. Faculty laboratories and departments received massive aid of \$ 1,50,000 for development from the United Nations Development Programme (UNDP). The aid was given to develop infrastructure facilities in the areas of Fracture Mechanics, Water Resources and Environmental Engineering, Jet Propulsion & Gas Turbine Plants and Microprocessor Applications. In 1986, Post graduate courses in (1) Fracture Mechanics, (2) Irrigation and Water Management, (3) Jet Propulsion & Gas Turbine Plants, and (4) Microprocessor Applications were introduced.

Under USAID Programme, Faculty received a massive grant of Rs. 4 crore from Water Resources Department and Narmada Development of Government of Gujarat for development of undergraduate and postgraduate programme of Irrigation Water Management. A new department of Water Resources Engineering and Management is established by the Senate in March, 1991. Constant efforts are made to update curriculum, improve teaching, enhance infrastructure and laboratory facilities, promote research, and establish linkages with the society and industries, and above all emphasis on excellence.

The reputed Faculty members leave profound influence by their expertise at the major nation / international conferences, seminars and refresher courses and help shape the future trends in technical education. That our Alumni have performed excellence in higher education and challenging jobs in India and abroad (particularly USA) and have achieved higher key positions bears testimony to the quality of education imparted. The institute is always a preferred choice for a student to become an engineer and for the employer to grab its competent engineer for jobs. Thus it has taken more than a century of dedicated efforts of a few pioneers and visionaries to raise the old Kalabhavan to the stature of mighty technical institute in the forefront of technical education in the service of the Nation.

VISION, MISSION & OBJECTIVES

Vision

To develop it into a world class centre for technical education, which will be known for its contribution to the development of engineering leadership and corporate excellence through research, mid career executive education programme, consultancy and training in select strategic areas. The guiding philosophy behind all the academic activities of the Faculty is, therefore, to regulate professionalism in engineering thought and practice, to help students, managers and organizations lead to a better tomorrow. Much has changed both on domestic and global scene, since the inception of the Faculty. Accompanying these changes has been the realization that in today's world we can no longer exist in isolation from the rest of the world. In order to tune with cataclysmic changes in the policy and environment, particularly in the technological sphere, we are of the shared vision that the faculty has to meet local industry needs with global perspective through the use of developments in informatics.

Mission

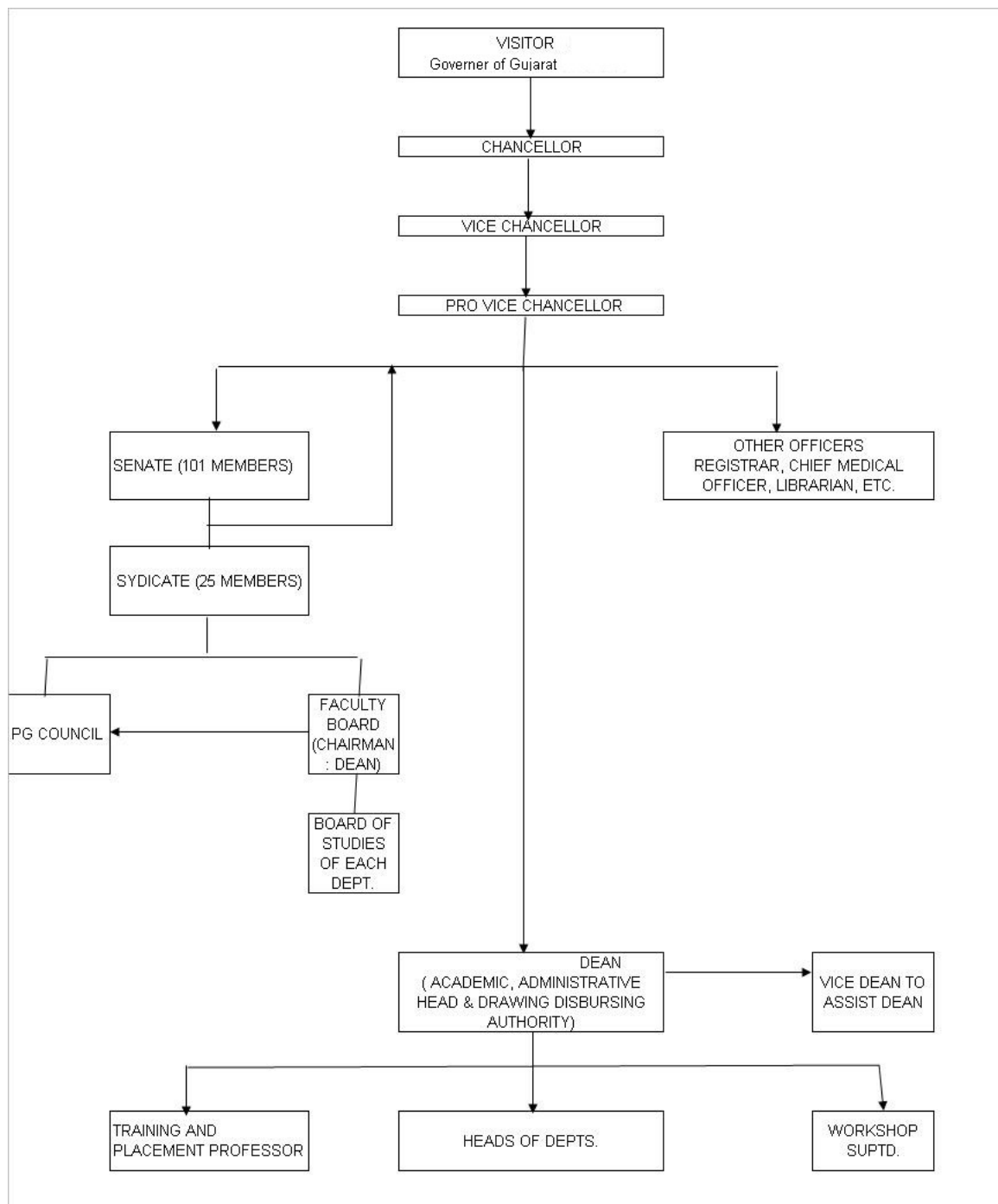
To emerge as a centre of excellence in technical and applied science education, training and research.

Objectives

- b) To impart Engineering and Applied Science education and conduct in a more creative and innovative way.
- c) To facilitate processes of improved engineering practices by conducting training programmes, seminars, workshops and conferences for the development of other Technical Institutions and industries.
- d) To promote State of Art research to keep pace with the scientific and technological advancements.
- e) To participate in the industrial development and technological upliftment in this region and the country.
- f) To offer advice to business, industries and other organizations.
- g) To disseminate wealth of knowledge relevant to Government, business and society needs.
- h) To pursue such other activities which are conducive to the growth of the Faculty and development of engineering education, training and research.

VI) Governance of University

The faculty of Technology and Engineering is a part of The Maharaja Sayajirao University of Baroda (a residential university). It is a Government grant-in-aid institute. The medium of instruction across the university is English.



Syndicate meeting is held once in a month.

Senate meeting is held at least once in a year.

PG Council meeting is held at least twice a year.

Faculty Board meeting is held at least once a year.

Department Board of Studies meeting is held at least once a year

COMPOSTION

SYDICATE	
MEMBERS	SEATS
VICE CHANCELLOR	1
PRO VICE CHANCELLOR	1
GOVERNMENT OFFICERS	3
DEANS	2
VC'S NOMINEE	1
PRINCIPAL	1
HEAD OF DEPT.	1
PROFESSOR	1
TEACHERS	4
GENERAL CATEGORY	6
GOVERNMENT NOMINEE	4
TOTAL	25

SENATE	
MEMBERS	SEATS
CHANCELLOR	1
VICE CHANCELLOR	1
EX VICE CHANCELLOR	1
PRO VICE CHANCELLOR	1
REGISTRAR	1
UNIVERSITY LIBRARIAN	1
GOVERNMENT OFFICERS	5
DEANS	13
PRINCIPALS	3
DIRECTORS OF INSTITUTES	3
VC'S NOMINEE	1
HEAD OF DEPT.	1
SIR SAYAJIRAO DIAMOND JUBILEE TRUSTEES	5
MAYOR	1
MSU STUDENT UNION	3
PROFESSORS	5
TEACHER (LECTURERS/ READERS)	17
REGISTERED GRADUATES	13
FEDERATION OF INDUSTRIES	1
SECONDARY SCHOOL	2
MLA	2
TRADE UNION	2
BAR COUNCIL	1
DONOR'S REPRESENTATIVE	2
GOVERNMENT NOMINEE	15
NON TEACHING STAFF UNION	1
TOTAL	101

ACADEMIC PROGRAMS

Post – Graduate Programs

a) Four Semester M. E. Courses

M. E. (Civil)

1. Geotechnical Engineering
2. Highway & Transportation Engineering
3. Hydraulic Structures
4. Irrigation & Water Management
5. Water Resources Engineering
6. Environmental Engineering
7. Structural Engineering
8. Fracture Mechanics

M. E. (Mechanical)

1. Thermal Science
2. Production Engineering
3. Jet Propulsion & Gas Turbine Plants

M. E. (Electrical)

1. Automatic Control & Robotics
2. Electrical Power Engineering
3. Industrial Electronics
4. Microprocessor System & Applications

M. E. (Chemical)

1. Petrochemical Engineering
2. Polymer Technology

M. E. (Metallurgy)

1. Industrial Metallurgy
2. Materials Technology
3. Welding Technology

M. E. (Textiles)

1. Textile Engineering
2. Manmade Fibers

M.E. (Textile Chemical processing)

M. Pharmacy

1. Pharmaceutical Quality Assurance
2. Pharmaceutical Technology
3. Drug Design & Development
4. Herbal Drug Technology
5. Industrial Pharmacology
6. New Drug Delivery System

b) Four Semester, Master of Science Courses in

1. M. Sc (Applied Chemistry)
2. M. Sc (Applied Mathematics/Industrial Maths)
3. M. Sc (Applied Physics)
4. M. Sc (Bioinformatics)
5. M. Sc (Material Science)-Nanotechnology

c) Four Semester, M. Sc Tech Courses in

1. M. Sc (Tech) Geotechnology

d) Post B. Sc Diploma Courses of one year duration

1. Corrosion Technology
2. Solid State Electronics
3. Environmental Science
4. Geotechnology
5. Textile Chemistry

e) Post graduate diploma(interdisciplinary) course

1. Packaging Engineering

f) 1. MCA (four semester)

2. DCA (two semester)

Under – graduate programs

1. Degree courses in Civil, Electrical, Mechanical, Water Management, Electronics, Computer, Chemical, Metallurgy, Architecture, Pharmacy, Textile Engg., and Textile Technology. (12)
2. Diploma programs in Textile Technology and Textile Chemistry for 10th passed students. (02)
3. Post B. Sc BE. Programs in Textile Chemistry for B. Sc Students. (01)

Part – Time Degree Programs

Degree courses in civil, Mechanical and Electrical Engineering for Diploma passed students and working in industry. (03)

All above courses are approved by AICTE.

Research Programs

Research activities of the institute include Ph. D. programs, projects funded by UGC (COSIST, DSA etc), CSIR, AICTE, DST, MOWR, GEDA etc. Many industry sponsored projects, consultancy services and testing services are also in progress.

ACADEMIC SCHEDULE

ACADEMIC YEAR 2009-2010

2009	WEEK NO.	MON	TUE	WED	THU	FRI	SAT	SUN	
JUNE	1	22	23	24	25	26	27	28	F.S. TEACHING BEGINS
JUNE/JULY	2	29	30	01	02	03	04	05	
JULY	3	06	07	08	09	10	11	12	
JULY	4	13	14	15	16	17	18	19	
JULY	5	20	21	22	23	24	25	26	
JULY/AUG	6	27	28	29	30	31	01	02	
AUG	7	03	04	05	06	07	08	09	
AUG	8	10	11	12	13	14	15	16	
AUG	9	17	18	19	20	21	22	23	TEST – 1 BEGINS
AUG	10	24	25	26	27	28	29	30	
AUG/SEPT	11	31	01	02	03	04	05	06	
SEPT	12	07	08	09	10	11	12	13	
SEPT	13	14	15	16	17	18	19	20	
SEPT	14	21	22	23	24	25	26	27	
SEPT/OCT	15	28	29	30	01	02	03	04	F.S. TEACHING ENDS
OCT	16	05	06	07	08	09	10	11	DIFFICULTY SOLUTION WEEK
OCT	17	12	13	14	15	16	17	18	DIWALI VACATION BEGINS (4 WEEKS)
OCT	18	19	20	21	22	23	24	25	S.S. EXAM BEGINS
OCT/NOV	19	26	27	28	29	30	31	01	
NOV	20	02	03	04	05	06	07	08	S.S. EXAM ENDS & DIWALI VACATION ENDS.
NOV	21	09	10	11	12	13	14	15	F.S. EXAM. BEGINS
NOV	22	16	17	18	19	20	21	22	
NOV	23	23	24	25	26	27	28	29	F.S. EXAM ENDS
NOV/DEC	24	30	01	02	03	04	05	06	S.S. TEACHING BEGINS
DEC	25	07	08	09	10	11	12	13	
DEC	26	14	15	16	17	18	19	20	

ACADEMIC YEAR 2009-2010

2010	WEEK NO	MON	TUE	WED	THU	FRI	SAT	SUN	
DEC	27	21	22	23	24	25	26	27	
DEC/JAN	28	28	29	30	31	01	02	03	
JAN	29	04	05	06	07	08	09	10	
JAN	30	11	12	13	14	15	16	17	
JAN	31	18	19	20	21	22	23	24	
JAN	32	25	26	27	28	09	30	31	TEST – 1
FEB	33	01	02	03	04	05	06	07	
FEB	34	08	09	10	11	12	13	14	
FEB	35	15	16	17	18	19	20	21	
FEB	36	22	23	24	25	26	27	28	
MAR	37	01	02	03	04	05	06	07	
MAR	38	08	09	10	11	12	13	14	
MAR	39	15	16	17	18	19	20	21	S.S. TEACHING ENDS
MAR	40	22	23	24	25	26	27	28	DIFFICULTY SOLUTION
MAR/APR	41	29	30	31	01	02	03	04	DIFFICULTY SOLUTION
APR	42	05	06	07	08	09	10	11	2 WEEKS VACATION & F.S. EXAM BEGINS
APR	43	12	13	14	15	16	17	18	VACATION END & F.S. EXAM. ENDS
APR	44	19	20	21	22	23	24	25	S.S. EXAM BEGINS
APR/MAY	45	26	27	28	29	30	01	02	
MAY	46	03	04	05	06	07	08	09	S.S. EXAM ENDS
MAY	47	10	11	12	13	14	15	16	SUMMER VACATION (6 WEEKS)
MAY	48	17	18	19	20	21	22	23	
MAY	49	24	25	26	27	28	29	30	
MAY/JUNE	50	31	01	02	03	04	05	06	
JUNE	51	07	08	09	10	11	12	13	
JUNE	52	14	15	16	17	18	19	20	SUMMER VACATION ENDS
JUNE	53	21	22	23	24	25	26	27	NEW ACADEMIC YEAR BEGINS

I SEM : 15 WEEKS TEACHING
+ 4 WEEKS (DIWALI VACATION)
+ 5 WEEKS EXAMINATIONS
(2 WEEKS IN VACATION)

II SEM : 16 WEEKS TEACHING
2 WEEKS DIFFICULTY SOLUTION
+ 2 WEEK VACATION
+ 5 WEEKS EXAMS (2 WEEK IN VACATION)

Faculty / Staff

The institution has at present 306 faculties out of which about 90 are Doctorate degree holders. The faculty contributes much to the development of academics and research by their involvement in authoring several books monographs and research articles in leading National and International journals. A large number of faculty members interact with other institution in India and abroad for exchange of scientific information and keep them selves abreast of latest developments in science and technology. For detailed profile please refer individual departmental folder.

Faculty Student Ratio

SR. NO.	PARTICULARS	DETAILS
1	Faculty : Student Ratio	11.26
2	Number of Faculty Employed (In last 3 academic years)	
	2006-07	300
	2007-08	275
	2008-09	291
3	Number of Faculty Retired / Left (In last 3 academic years)	
	2006-07	10
	2007-08	10
	2008-09	16

Training And Placement

Sr. no.	Name of Program	Placement Facilities	Number of Campus Placement				Average salary
			2005-06	2006-07	2007-08	2008-09	
Undergraduate							Rs.12000-20000 pm
1	Chemical	Central at Faculty Level	4	16	25	23	
2	Civil		6	10	77	46	
3	Computer		18	33	35	31	
4	Electrical		22	16	34	37	
5	Mechanical		14	32	75	85	
6	Electronics		14	14	36	27	
7	Metallurgy		2	23	26	26	
8	Textile Chemistry		0	5	7	0	
9	Textile Engg.& Tech		22	29	41	57	
Post graduate							Rs 15000-20000 pm
1	Chemical	Central at Faculty Level	0	0	05	0	
2	Civil		2	2	08	1	
3	Computer		0	0	NA	0	
4	Electrical		1	1	08	2	
5	Mechanical		0	0	15	0	
6	Electronics		1	0	12	0	
7	Metallurgy		0	0	06	1	
8	MCA		0	0	11	9	
9	Textile Chemistry		0	0	01	0	
10	Textile Engg.& Tech		0	0	05	0	

* Currently campus interviews are going on for 2009-10

Industrial Partnership

Coordination of course programs and research to the industrial requirement and need. Mobilization of academic staff and students to share their experience with industries for R & D. Motivation of industry to impart training to students and to share funding of education institutions and its activities.

Self Sufficiency and Self Supported System

Mobilization of donations and extension of testing and industrial projects and consultancy services.

Centre of Excellence for Technical Education & Training

Vadodara is situated in a strategic location for industrial activity in the western part of India. It is well connected to all the major industrial centres in India by air, rail and road. Vadodara is nationally and internationally known as centre for education in general and technical education in particular. The technical education in Vadodara commenced way back in 1890 and evolved over the years as an ever growing technical education centre. The faculty of technology and engineering currently is one of the biggest technical institutes with 15 various departments imparting education and training in various disciplines of engineering and technology at various levels from undergraduate to doctorate. Therefore, it has a very high potential to lead the technical education program in this region.

Library Facilities

The University has main library Smt. Hansa Mehta Library, which remains open from 0800 hrs to 2200 hrs. The library has about 7, 12,501 books and subscribes about 350 periodicals. In addition to this, the Faculty of Technology and Engineering has T. K. Gajjar Library having about 1, 13,211 books and subscribes to 263(148TKGL+115HML) periodicals on various topics on science and technology. This library also remains open for additional hours over and above its normal working hours.

INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE IN THE LIBRARY:

I). Number of Library Books /Titles /Journals available (Programme Wise):

Books: 96,781

Bound Journals: 18,310

Total: 1, 15,091

II). List of online National/International Journals subscribed:

Sr.No.	Name of Journals	Dept.	I/F
1.	A A P G bulletin	Geology	F
2.	AATCC Review	Textile Chem.	F
3.	ACI Materials Jnl	App.Mechanics	F
4.	ACI Structural Jnl	App.Mechanics	F
5.	Advanced Materials & Processes	Metallurgy	F
6.	Advances in Applied Probability	Statistics	F
7.	AICHE Jnl	Chemical Engg.	F
8.	Air Transport World	Civil Engg.	F
9.	American Jnl of Physics	App.Physics	F
10.	American Journal of Botany	Botany	F
11.	American Mathematical Monthly	Mathematics	F
12.	American Mathematical Society. Bulletin. New Series	Mathematics	F
13.	American Mathematical Society. Proceedings	Mathematics	F
14.	American Mathematical Society. Transactions	Mathematics	F
15.	American Water Works Association Journal	Civil Engg.	F
16.	Angewandte Chemie International Edition	Chemistry	F
17.	Annals of Statistics	Statistics	F
18.	Architect	Architecture	F
19.	Architecture & Design	Architecture	I
20.	Architecture & Urbanism	Architecture	F
21.	Ashrae Jnl	Mech. Engg.	F
22.	Asia Dyer	Textile Chem.	I
23.	Asian Textile Business	Textile Engg.	F
24.	Bioessays	Microbiology	F
25.	Biology of Reproduction, .	Zoology	F
26.	Bioresource Technology	Microbiology	F
27.	Bioscience, Biotechnology, and Biochemistry	Microbiology	F
28.	Botanical Review	Botany	F
29.	Botany (Formerly Canadian Journal of Botany)	Botany	F
30.	Bulletin of Material Science	App. Chemistry	I
31.	Business India	General	I
32.	Business World	General	I
33.	CA Selects Liquid Crystals	App. Chemistry	F
34.	Calcutta Mathematical Society - Bulletin	Mathematics	I

35.	Calcutta Statistical Association Bulletin	Statistics	I
36.	Canadian Journal of Microbiology	Microbiology	F
37.	Chemical Engineering	Chemical Engg.	F
38.	Chemical Engineering Progress	Chemical Engg.	F
39.	Chemical Engineering World	Chemical Engg.	I
40.	Chemical Weekly	Chemical Engg.	I
41.	Chip	Computer Engg	I
42.	Chitralkha	General	I
43.	Civil Engg & Construction Rev.	App.Mechanics	I
44.	Clinical Chemistry, .	Bio-Chemistry	F
45.	Coloration Technology	Textile Chem.	F
46.	Colourage	Textile Chem.	I
47.	Comparative Biochemistry and Physiology. Part A.	Zoology	F
48.	Comptetion Success Review	General	I
49.	Computer World	Computer Engg	F
50.	Corrosion	Metallurgy	F
51.	Crystal Research and Technology	Physics	F
52.	Current Science	General	I
53.	DataQuest	Computer Engg	I
54.	Digit	Computer Engg	I
55.	Discreate and Continuous Dynamical Systems Series-A	Mathematics	F
56.	Discreate and Continuous Dynamical Systems Series-B	Mathematics	F
57.	Discreate and Continuous Dynamical Systems Series-S	Mathematics	F
58.	Drug Delivery	Pharmacy	F
59.	Earth Science Reviews	Geology	F
60.	Ecological Applications	Botany	F
61.	Ecology	Botany	F
62.	Ecology Environment and Conservation	Botany	I
63.	Economic Botany	Botany	F
64.	Economic Geography	Geography	F
65.	Electrtical India	Electrical Engg.	I
66.	Electrical Review	Electrical Engg.	F
67.	Electronics For You With CD	Electrical Engg.	I
68.	Electronics Today	Electrical Engg.	I
69.	Employment News	General	I
70.	Endocrinology	Zoology	F
71.	Environment: Science & Policy for Sustainable Devt.	Geography	F
72.	Environmental Pollution Control Jnl	Civil Engg.	I
73.	Envrironment science & Engineering	Chemical Engg.	I
74.	European Journal of Endocrinology	Zoology	F
75.	Express Pharma Pulse	Pharmacy	I
76.	Foundry Trade Jnl	Metallurgy	F
77.	Gene	Microbiology	F
78.	General and Comparative Endocrinology	Zoology	F
79.	Geographical Review (EBSCO, JSTOR)	Geography	F
80.	Geography Teacher (With Jr. of Geography)	Geography	F
81.	Geological Society of India – Journal	Geology	I
82.	Geological Society. Journal	Geology	F

83.	Geology	Geology	F
84.	Geomorphology	Geology	F
85.	Health and Place	Geography	F
86.	Hydrocarbon Processing	Chemical Engg.	F
87.	I E T Engineering & Technology	Electrical Engg.	F
88.	I S I J Intl	Metallurgy	F
89.	India Today	General	I
90.	Indian Architecture & Builder	Architecture	I
91.	Indian Chemical Society. Journal	Chemistry	I
92.	Indian Concrete Journal	App.Mechanics	I
93.	Indian drugs	Pharmacy	I
94.	Indian Forester	Botany	I
95.	Indian Foundry Jnl	Metallurgy	I
96.	Indian Geotechnical Journal	App.Mechanics	I
97.	Indian Jnl of Biochemistry and Biophysics	Pharmacy	I
98.	Indian Jnl of Chemical Technology	Chemical Engg.	I
99.	Indian Jnl of Chemistry Sec-A	App. Chemistry	I
100.	Indian Jnl of Chemistry Sec-B	App. Chemistry	I
101.	Indian Jnl of Exptl Biology	Pharmacy	I
102.	Indian Jnl of Fibre & Textile Reseach	Textile Engg.	I
103.	Indian Jnl of Mathematics	App.Maths	I
104.	Indian Jnl of Medical Research	Pharmacy	I
105.	Indian Jnl of Pharmaceutical Science	Pharmacy	I
106.	Indian Jnl of Pure & Applied Maths	App.Maths	I
107.	Indian Jnl of Traditional Knowledge	Pharmacy	I
108.	Indian Journal of Chemical Technology	Chemistry	I
109.	Indian Journal of Chemistry. Section A	Chemistry	I
110.	Indian Journal of Chemistry. Section B	Chemistry	I
111.	Indian Journal of Engineering and Materials Sciences	Chemistry	I
112.	Indian Journal of Experimental Biology	Zoology	I
113.	Indian Journal of Geomorphology	Geology	I
114.	Indian Journal of Mathematics	Mathematics	I
115.	Indian Journal of Pure and Applied Mathematics	Mathematics	I
116.	Indian Journal of Pure and Applied Physics	Physics	I
117.	Indian Statistical Association – Journal (Late Publication)	Statistics	I
118.	Indian Textile Journal	Textile Chem.	I
119.	Information Technology Without CD	Computer Engg	I
120.	Inorganica Chimica Acta	Chemistry	F
121.	Inside-Outside	Architecture	I
122.	International Dyer	Textile Chem.	F
123.	International Journal of Fluid Mechanics Research	Mathematics	F
124.	International Journal of Mathematical Science	Mathematics	I
125.	International Statistical Review	Statistics	F
126.	Intl. water Power & Dam Construction	Civil Engg.	F
127.	Invention Intelligence	General	I
128.	J A S A : American Journal of Statistical Association	Statistics	F
129.	Japan Architect	Architecture	F
130.	Jnl of Architectural & Planning Res.	Architecture	F

131.	Jnl of Controlled Release	Pharmacy	F
132.	Jnl of Energy Heat and Mass Transfer	Mech. Engg.	I
133.	Jnl of Environmental Science & Engineering	Civil Engg.	I
134.	Jnl of Indian Water Works Assn.	Civil Engg.	I
135.	Jnl of Instn. Of Engrs All Parts	Metallurgy	I
136.	Jnl of Mines Metals & Fuels	Metallurgy	I
137.	Jnl of Pharmacy & Pharmacology	Pharmacy	F
138.	Jnl of River Basin Management	Civil Engg.	F
139.	Jnl of Scientific & Industrial Res.	Chemical Engg.	I
140.	Jnl of Structural Engg	App.Mechanics	I
141.	JOM Journals of Minerals, Metals And Materials Society	Metallurgy	F
142.	Journal of Cell & Tissue Research	Zoology	I
143.	Journal of Colloid and Interface Science	Chemistry	F
144.	Journal of Endocrinology	Zoology	F
145.	Journal of Experimental Biology, .	Zoology	F
146.	Journal of Geographical Review of India	Geography	I
147.	Journal of Geography	Geography	F
148.	Journal of Indian Mathematical Society	Mathematics	I
149.	Journal of Indian Ocean Studies	Geography	I
150.	Journal of Mathematical Analysis and Applications	Mathematics	F
151.	Journal of Medicinal and Aromatic Plant Science	Botany	I
152.	Journal of Molecular Catalysis Part A : Chemical	Chemistry	F
153.	Journal of Mycology and Plant Pathology	Botany	I
154.	Journal of Plant Biochemistry and Biotechnology	Botany	I
155.	Journal of Quality Technology	Statistics	F
156.	Journal of Sedimentary Research. Sec.B	Geology	F
157.	Journal of Sedimentary Research.Sec. A (Combined Price A & B)	Geology	F
158.	Journal of Structural Geology	Geology	F
159.	Journal of the Textile Association	Textile Engg.	I
160.	Journal of the Textile Institute	Textile Engg.	F
161.	Kew Bulletin (New)	Botany	F
162.	Latest Facts in General Knowledge	General	I
163.	Liberty Carree News	General	I
164.	Linux for You	Computer Engg	I
165.	Machine Design	Mech. Engg.	F
166.	Manmade Textiles in India	Textile Chem.	I
167.	Mathematics Today	App.Maths	I
168.	Mechanical Engineering	Mech. Engg.	F
169.	Medicinal & Aromatic Plants Abst	Pharmacy	I
170.	Medicinal and Aromatic Plants Abstracts	Botany	I
171.	Microbiology	Microbiology	F
172.	Minerals & Metals Review	Metallurgy	I
173.	Motorindia	Mech. Engg.	I
174.	National Academy of Sciences (USA). Proceedings	Gen.Sc.	F
175.	National Geographic	Geography	F
176.	National Geographic Magazine	General	I
177.	Natural Product Radiance	Pharmacy	I

178.	Nature Biotechnology	Microbiology	F
179.	Nature Cell Biology	Bio-Chemistry	F
180.	Nature Environment & Pollution Technology	Civil Engg.	I
181.	Nature Genetics	Microbiology	F
182.	Nature Medicine	Bio-Chemistry	F
183.	Nature Neurosciences	Bio-Chemistry	F
184.	Nature Reviews Drug Discovery	Bio-Chemistry	F
185.	Nature Reviews Genetics	Bio-Chemistry	F
186.	Nature Reviews Molecular Cell Biology	Bio-Chemistry	F
187.	Nature Structural and Molecular Biology	Bio-Chemistry	F
188.	New Building Materials & Construction world	App.Mechanics	I
189.	Nucleus	Botany	I
190.	Online	Computer Engg	F
191.	Operations Research	Statistics	F
192.	Out look	General	I
193.	P C Magazine	Computer Engg	F
194.	P C Quest With CD	Computer Engg	I
195.	Pharma Review	Pharmacy	I
196.	Pharmaceutical Research	Pharmacy	F
197.	Physica E: Low Dimensional Systems & Monostructures	Physics	F
198.	Physics Education +Online	App.Physics	F
199.	Physics Letters Sec. A	Physics	F
200.	Phytochemistry	Botany	F
201.	Power	Mech. Engg.	F
202.	Pramana : Jnl of Physics	App.Physics	I
203.	Process Biochemistry International	Microbiology	F
204.	Professional Engg.	Mech. Engg.	F
205.	Reders Digest	General	I
206.	Refrigeration & Airconditioning	Mech. Engg.	F
207.	Reproduction (Old: Journal of Reproduction and Fertility)	Zoology	F
208.	Resonance :Jnl of Science Education	App.Physics	I
209.	Sankhya Series	Statistics	I
210.	Science	Gen.Sc.	F
211.	Scientific American	Gen.Sc.	F
212.	Solid State Communications	Physics	F
213.	Social Science and Medicine	Geography	F
214.	Soil Biology and Biochemistry	Microbiology	F
215.	Standards India	General	I
216.	Statistics & Probability Letters	Statistics	F
217.	Synthetics Fibres	Textile Chem.	I
218.	Technical Textiles International	Textile Engg.	F
219.	Technometrics	Statistics	F
220.	Tetrahedron	Chemistry	F
221.	Tetrahedron Asymmetry (with Tetrahedron)	Chemistry	F
222.	Textile Asia	Textile Engg.	F
223.	Textile Progress	Textile Engg.	F
224.	Textile Research Journal	Textile Engg.	F
225.	Textile World	Textile Engg.	F

226.	Textiles Magazine	Textile Engg.	F
227.	Topology and its Applications	Mathematics	F
228.	Traffic Engineering & Control	Civil Engg.	F
229.	Udyog Pragati	General	I
230.	University News	General	I
231.	Water Research	Microbiology	F
232.	Welding Journal	Metallurgy	F

Foreign	Indian	Jnl.
130	102	232

N.B. (a) Though we are not directly subscribing on line journals but we have facility to access E-Journals under UGC-INFONET Programme and INDEST
(b) Subscription of all Journals are renewed regularly

E-RESOURCES AVAILABLE ONLINE UNDER UGC-INFONET PROGRAMME

Source	Contents	URL	Nos.of Journals Available
American Institute of Physics	19 full text journals including AIP Society Package – II Archival Access : 1997+	http://www.aip.org/	19
American Chemical Society	31 full text journals Archival Access : from vol.1 issue 1 of all 31 ACS titles	http://publ.acs.org/	31
Royal Society of Chemistry	24 full text journals + 6 Databases Archival Access : 1997+	http://www.rsc.org/	24
Chemical Abstracts Service	Database : Access thru Sci-Finder Scholar to 10 Universities identified by National Negotiation Committee Archival Access : 1907+	http://www.cas.org/	
Nature	NATURE Weekly Journal Archival Access : 1997+	http://www.nature.com/	
Institute of Physics	36 full text journals	http://www.iop.org/EJ/	36

	Archival Access : from vol. 1 issue 1	
Cambridge University Press	72 full text journals Archival Access : http://journals.cambridge.org/ 1997+	72
Project Muse	222 full text journals Archival Access : http://muse.jhu.edu/journals/ 1999+	222
BIOSIS : Biological Abstracts	Complete database Archival Access : http://www.biosis.org/ 1969+	
Encyclopedia Britannica	Complete online encyclopedia Archival Access : http://www.britannica.com NA	
J-Store	319 full text journals majority in the area of social sciences & humanities Archival Access : 1997+ http://www.jstore.org	319
Science Online	1 full text journal Archival Access : http://www.scienceonline.org/ 1996+	01
Annual Reviews	29 full text journals Archival Access : http://www.annualreviews.org/ Last 10 years	29
Springer	100 full text journals + full text access to 550+ Springer collections from http://www.springerlink.com/ 1 April 2004 – 31 March 2005 Archival Access : 1995+	100
Kluwer Online	100 full text journals + full text access to 650+ Kluwer collections from http://www.kluweronline.com/ 1 April 2004 – 31 March 2005 Archival Access : 1995+	100
Emerald	28 full text journals of Library & Information Science Archival Access : varies with title http://www.emeraldinsight.com/ft/	28
Elsevier Science – Life Science	34 full text journals, Current http://www.sciencedirect.com/	34

Collection	opinions, trends & cell press journals Archival Access : 1995+	
Ingenta Gateway Portal	5400 online journals up to Abstract level. Link to 20000+ journals up to abstract level. Providing customized support services to Universities. Archival Access : NA	5,400 + 20,000
J-Gate Gateway Portal	10000+ journals up to abstract level. Providing customized support services to Universities. Archival Access : NA	1,0000

Under INDEST Consortium (IIT)

IEL Online	188 Journals		
ASCE Journals	30 Journals	http://ieeexplore.ieee.org/	188
ASME Journals	25 Journals	http://www.pubs.asce.org/journals/jrms.html	30
		http://www.asme.org/pubs/journals	25

III). E-Library Facilities

Internet facility is provided to students/Staff
More than 828 CD Collection
Floppies / Cassettes collection
OPAC facility has been provided
CD writing facility is provided at our Internet Centre/Periodicals Unit
Periodicals/Reference Sections of the library also have CD collection

1• AT UNIVERSITY LEVEL:-

(For All Registered Students and Staff Members of the University)

SR.NO.	NAME OF LIBRARY	SITTING CAPACITY(APPROX)
1	Smt. Hansa Mehta Library	1150
2	Sir Sayajirao Memorial Library	900

1• AT FACULTY LEVEL:-

SR.NO.	NAME OF LIBRARY	SITTING CAPACITY(APPROX)
1	Prof. T. K. Gajjar Library	450

**Prof. T.K.Gajjar Library Staff
Faculty of Tech. and Engg.,Vadodara**



First Standing Row (L to R) :- Mr. S.R.Umratkar, Mr. L.R. Parmar, Mr. M.M. Machhi
Mr. A.N. Machhi, Mr. P.C. Mali, Mr. K.R. Solanki

Second Standing row (L to R):- Ms. J.K. Bhatiya , Mrs. S.H. Acharya , Mr. K.J. Parmar
Mr. J.K. Vasava, Mr. O.K. Purohit

Third standing row (L to R) :- Mrs. K.R. Darji , Ms. K.A. Mehta

Sitting row (L to R):- Mrs. J.J. Chudgar, Mr. A.N. Soni , Mr. S.B. Chauhan
Mr. K.N. Petiwala , Mr. J.M. Shrimali , Mr. H.M. Solanki

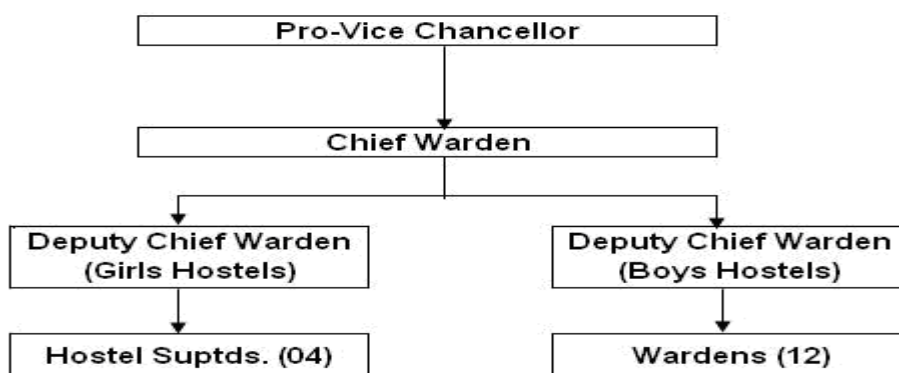
ISO 9000 Certification

Two departments, viz. Department of Computer Science and Department of Electrical Engg., are ISO 9000 certified. Other departments will follow to get ISO 9000 certification in due course of time.

Halls of Residence

Limited residential accommodation is available for the outside students in the 12 boys hostels and 4 girls hostels. This accommodates 800 boys and 200 girls, out of total 3000 students of the institute.

HOSTELS (HALLS OF RESIDENCE)



PARTICULARS		BOYS		GIRLS	
		U.G.	P.G.	U.G.	P.G.
SEATS AVAILABLE		910	40	202	
FEES (RS. PER ANNUM)	Single or two seated	1400		1400	
	Three seated	1000		1000	
FOOD BILL (APPROX. RS PER MONTH)		700		700	

Medical Examination and University Health Centre

Medical check-up is compulsory for new entrants who join the first time in any course of studies in the Faculty. The University Health Centre offers general preventive and curative health care. The center has facility of observation beds for short stay to both the students and staff and their dependents of this University. Also visiting medical experts provide experts' consultancy to the students and staff.

National Cadet Corps (N.C.C.) / National Service Scheme (N.S.S.)

The University has NSS centre and all three wings of NCC units. 1st Gujarat Compo Technical Regiment is located at the Faculty.

Sports / Recreation / Physical Education

- AT UNIVERSITY LEVEL:-

Physical Education Department at Union pavilion building with qualified teachers.

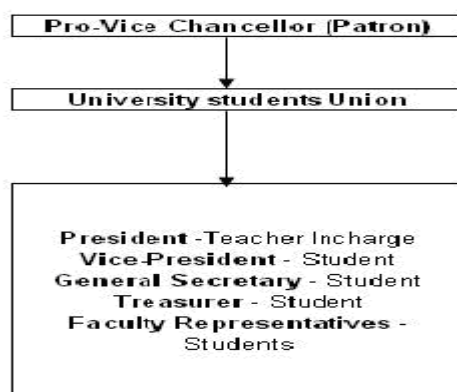
Swimming pool, Tennis, Basketball, volley ball, Badminton courts, Table tennis room, other gymnasium facilities, Football, Hockey and Cricket grounds (two). (All out door – indoor sports facility available)

- AT FACULTY LEVEL:-

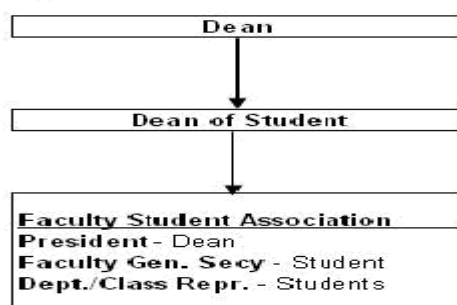
Student day centre with common room and indoor – out door sports facilities.

Student Union Activities

(A) University level :



(B) Faculty level :



ADMISSION TO FIRST YEAR DEGREE COURSES

Admission procedure is carried out at state level by Joint Admission Committee (Professional courses) JAC-PC at Ahmedabad. For details visit website : <http://www.ldceindia.org> and

<http://www.jacpldce.ac.in>

CUT-OFF MARKS

For cut-off marks refer below link

N.B. cut off marks for 2009 is not available as reshuffling process at JAC-PC at Ahmedabad is going on.

[..\cut-off marks.xls](#)

FEE STRUCTURE

[..\Tuition Fee.xls](#)

FACULTY OF TECHNOLOGY & ENGINEERING

GROUP PHOTOGRAPH OF ESTABLISHMENT STAFF



Standing Row (L to R) :- Mr. Sikandar Ghanchi, Shri Anil Patel, Mrs. S S Pillai, Mrs Sujata Desai
Mrs. Shilpa Mane, Mrs. Renuka Shah, Shri Dipak Mali

Seating Row (L to R) :- Shri N V Prakashkar, Shri B K Kapadia, Shri K K Mehta,
Prof. B. S. Parekh, Prof. S. S. Bhattacharya, Shri Darshan Maru,
Shri P B Trivedi

FACULTY OF TECHNOLOGY & ENGINEERING

GROUP PHOTOGRAPH OF ACADEMIC STAFF



Standing Row (L to R) :- Mrs. Mohini Bhatt, Mrs. Shraddha Kansara, Ms. Yogini Joshi,
Shri Kalpesh Bamlenkar

Seating Row (L to R) :- Shri Amit Patel, Shri K M Damor, Shri K K Mehta,
Prof. B. S. Parekh, Prof. S. S. Bhattacharya, Shri Darshan Maru,
Shri V M CHauhan

FACULTY OF TECHNOLOGY & ENGINEERING

GROUP PHOTOGRAPH OF ACCOUNT STAFF



Standing Row (L to R) :- Mrs. Manisha Jadhav, Shri Minesh Shah, Shri Dhaval Parmar,
Shri Pritesh Rana, Shri Piyush Parmar, Shri Vijay Kaka,
Shri Chaitanya Bhatt, Mrs. Dipti Bhavsar

Seating Row (L to R) :- Shri Bharat Chokshi, Shri Prashant Patel, Shri K K Mehta,
Prof. B. S. Parekh, Prof. S. S. Bhattacharya, Shri Darshan Maru,
Shri M R Parmar