



GOVERNMENT OF GUJARAT

TECHNICAL EDUCATION : 1986

**DEPARTMENT OF TECHNICAL EDUCATION
GANDHINAGAR**

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National Institute of Educational
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PREFACE

This brochure, the biennial publication of the department, is a revised version of "Technical Education--1984." Care has been taken to include all the useful information on the infrastructural facilities available in Gujarat for the benefit of the student community, parents of prospective students and for those who are interested in technical education in the State.

In this brochure, as usual, all the relevant details such as the names and addresses of institutions, courses run alongwith intake capacity, entrance qualifications, durations etc., for courses ranging from certificate to post graduation are provided in easy to refer formats. Also, given are the details on the facilities and concessions available for the SC/ST/other B C. students in engineering and technical institutions.

The brochure also highlights the features on the progress made by the state in developing through years the infrastructure to impart technical education in a wide variety of courses in engineering and technology. It is hoped that this would serve as a useful reference volume to all those who are concerned.

Gandhinagar--10
September, 1986

N. R. DAVE
Director

(ii)

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Introduction :

After the formation of the State of Gujarat in 1960, rapid progress has been made in several sectors like industry, production, economy and education. With a phenomenal growth in the field of industries in general and particularly in computer and electronics based industries in organised and unorganised sectors, the demand for engineering and technical manpower has increased. To close in the difference between the demand and supply position of technical manpower, the department decided in 1983 to increase the intake capacity in existing institutions and also to open new engineering colleges, polytechnics and technical institutions. Various types of need-based new courses as the new and emerging scenario of eighties warranted have been introduced particularly in computer and electronics field.

Growth and Development :

1960, when the new department of technical education came into being it had jurisdiction over all the Engineering Colleges, Pharmacy Institutions, Polytechnics, Industrial Training Institutes, Technical High Schools and Vocational Institutes/Classes. The technical examinations, outside the purview of Universities, were conducted by the Department. However, later on, due to administrative reasons the Industrial Training Institutes were transferred to the new Department of Employment & Training. A separate Board of Technical Examinations was formed in the year 1968, as recommended by the Ishwarbhai Committee. The conduct of Technical examinations, the course formulation, curriculum development and allied work till then attended to by the department were then transferred to the Technical Examinations Board.

At present, the technical education programmes in the State encompass collegiate, polytechnic, technical high school and certificate level courses. The system is suitable for meeting the needs of a wide variety of occupations ranging from top executives to supervisors and skilled workers. Apart from this, the Engineering Colleges in the State provide consultancy and product-testing services to industries and other agencies.

The following table illustrates state-wise growth of technical education system in respect of Institutions, Courses, Intake Capacity and Expenditure in the State during the two and half decades after 1960 and thereafter.

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Sr. No.	Particulars	1960	1970	1980	1986
1	2	3	4	5	6
A. Type of Institutions					
1.	Engg. Colleges	5	8	9	13
2.	Polytechnics	14	17	22	27
3.	Technical High Schools	39	44	44	43
4.	Certificate level Institutions	111	215	568	990
B. No. of Courses					
1.	Post-Graduate Degree	3	5	7	10
2.	Post-Graduate Diploma	..	1	3	3
3.	First Degree :				
	Full Time	7	10	14	23
	Part Time	..	3	4	4
4.	Post-Diploma-Diploma	..	9	11	11
5.	Post-B.Sc. Diploma	..	..	..	7
6.	Diploma :				
	Full Time	9	22	30	29
	Part Time	—	6	5	12
7.	S.S.C. (Tech)	1	1	1	1
8.	Certificate	25	32	67	76

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1	2	3	4	5	6
C. Intake Capacity					
1. Degree Courses		1069	1865	2239	3170
2. Diploma Courses		1655	3420	4549	6355
3. S.S.C. (Tech)		2010	2800	3975	5130
4. Certificate Courses		6615	9574	29679	45693
D. Expenditure					
Total (Rupees in lakhs)		50.34	160.82	593.2	1155.84

An analysis of the above parameters will show that the trend of quantitative growth of technical education in the State has ever been positive.

In the qualitative aspect also, the State has successfully developed broad-based, integrated facilities providing technical education at all levels, with a fairly spread out network of technical institutions.

3. Technical Education Facilities in the State :

3.1. Post-Graduate (Doctorate) Education : Facilities for preparation for Ph.D. in engineering/technology are available in five institutes in Civil, Mechanical, Electrical and Pharmacy Courses.

3.2. Post-Graduate Degree Education :—This type of education prepares specialists in various disciplines such as Civil, Mechanical, Electrical and Textile Engineering as also in Industrial Metallurgy, Chemical Engineering and Pharmacy. Six institutions in the State offer facilities for Post-Graduate Degree Education.

3.3. Post-Graduate Diploma Education :—In certain specific fields of engineering, post-graduate diploma courses are also available. The courses are Solar Energy, Planning and Low Cost Housing. Three institutions in the State offer facilities for this type of education.

3.4. **Post-B.Sc. Degree Courses:**—Faculty of Engineering and Technology, M. S. University, Vadodara extends the facilities of bachelor degree in textile and electronics courses of three years duration.

3.5. **First Degree Education :**—These courses are offered in 12 institutions in the State offering facilities of education and training in 23 different areas. The scope of courses includes Computer Engineering, Electronics, Industrial Engineering and many new degree courses in addition to Conventional courses.

3.6. **Post-B.Sc. Diploma Courses:**—Another exclusive feature of the Faculty of Engineering & Technology, M. S. University, Vadodara is the availability of specialised diploma courses in—

- (a) Material Testing Technology
- (b) Computer Applications
- (c) Operation Research
- (d) Geo-Technology
- (e) Environmental Science
- (f) Solid State Electronics
- (g) Corrosion Technology

The intake capacity of these courses is decided by the University, depending upon the availability of infrastructure and response.

3.7. **Post Diploma Diploma Education:**—There are facilities for imparting post diploma level education in 11 courses, offered by 9 institutions in the State.

3.8. **Technician (Diploma) Education:**—This type of education is available in 27 institutions also called polytechnics and in 5 degree level institutions in 29 disciplines.

Diploma Education in specifically structured courses is available for women in two girls' polytechnics and four girl's wings attached to other

polytechnics. Girls are also admitted to all types of engineering/technological courses in engineering colleges and polytechnics, on merit.

3.9. **Technical High School Education:**—Under this scheme of education, students studying in secondary schools are encouraged to opt for technical stream. The training imparted in this type of education is good enough for cultivating aptitude for a technical career. These courses are not terminal in nature. In all there are at present 43 technical high schools in the State having a total intake capacity of 5130 seats.

3.10. **Certificate Level Education:**—This type of training is suitable for turning out semi-skilled workers and craftsmen for the industries. They are also equipped for self-employment in many areas. In terms of number of institutions, it has registered a growth of eight times over the institutions that existed in 1960. There are 990 institutions imparting instructions in 76 different types of courses at present. Many of these Institutions, more than 900 offer only Tailoring related courses.

3.11 **Industrial Training Institute Courses:**—With a view to provide and augment the supply of skilled personnel for the industry, the State had decided to introduce Industrial Training Institute Courses also in the Technical High Schools/Centres. This type of training is identical to that available in the Industrial Training Institutes (I.T.Is.). Many of these courses are post SSC with a rigorous craft training in specific skilled. At present there are 27 Technical High Schools/Institutions imparting instructions in 16 different Courses.

3.12. **Part-Time Route:**—Part-Time route of education in the State has provided opportunities for employed persons to aspire for higher technical qualifications. At present 5 degree courses and 12 diploma courses are available in 4 degree institutions and 15 diploma institution for acquiring degree and diploma awards respectively.

(a) **Part-Time Degree Courses:**—Civil, Mechanical, Electrical and Electronics and Communication Engineering disciplines are the ones available at present at (1) L. D. College of Engg., Ahmadabad (2) Faculty of Engg. and Technology, M. S. University, Vadodara (3) S. V. Regional College of Engg. & Tech., Surat (4) Shantilal Shah Engineering College, Bhavnagar and (5) B. V. Mahavidyalaya, Vallabh-Vidyanagar for Part-Time route of degree education.

(b) Part-Time Diploma Courses :

The two part-time diploma courses in Machine Tools Technology and Tools Engineering are framed specifically for Industrial Training Institutes and National Apprenticeship Training pass-outs engaged in the industry. Five new part time diploma courses have been introduced in various polytechnics with a total intake of 135 seats. These are Plastic Engineering, Automobile Engineering, Man Made Fibres Fabrics, Man Made Fibres Wet Processing and Textile Design.

3.13. Development in VI & VII Plan Period : The Six Plan Period in the State has been the next best period after the decade of 1969-70 in terms of developmental activities. During the period 1979-84, the intake capacity in degree and diploma courses has been nearly doubled. Also the following note-worthy events took place in the beginning of VII Plan Period.

(a) New Engineering Colleges :

One more Government Engineering College at Modasa was started during the year 1984-85 with an initial intake capacity of 30 seats each in the disciplines of Civil & Electrical Engineering.

(b) New Polytechnics :

During the year 1984-85, three Government Polytechnics were started at Amreli, Surendranagar and Palanpur with an intake capacity of 60 seats each. One more diploma level Pharmacy institution was started at Bardoli with an intake of 30 seats.

(c) Vocational Centres :

Two Government Vocational Training Centres, one each at Bhavnagar and Patan (N.G.) from June, 1985 were started with an intake of 20 seats each in Electronics Fabrication & Assembly Mechanics.

4. Diversification of Courses :

Perhaps, Gujarat was one of the few states which attempted to follow the National Policy of 1968 in letter and spirit by re-structuring the age old curricula of degree and diploma engineering courses.

The state has made considerable in roads in diversifying its pattern of technician education to suit the needs of the industry. In degree education also, diversification has been affected in number of courses. In diploma pattern of courses with the in-built provision of inplant training the courses have become modern in their structures thereby increasing the acceptability of the same by industries. As a result, the state in the process has achieved a significant position in Engineering /Technological Education in the country by developing an efficient machinery of infrastructure quality, quantity and utility of the systems.

5 Admission Procedure :

The details regarding the procedure laid down for admission to Engineering Degree & Diploma Education in the State are given in Appendix-A.

6. Facilities Available In Other States For The Students Of Gujarat :—In a number of institutions situated in other states, a certain number of seats are reserved for the students of Gujarat. Similarly, the students of Gujarat can avail the facilities in many institutions outside the state, which fill up the seats by open tests. The details of courses available, the names and addresses of institutions etc. are given in Appendix-B, for the benefit of the students.

7. Special Facilities For S.C./S.C./S.T./S. & E.B.C./ST./S. & E.B.C. Students :

In degree level courses 30% seats are reserved for S.C./S.T./S. & E.B.C. communities. The percentage of reservation respectively are 7, 13 & 10. The reservations available in diploma courses are 7, 14 and 10 respectively. However, if sufficient number of candidates from such communities are not available for admission, those unfilled seats are declared open and filled up by following the usual procedure.

Concessions on various other counts are also available for the B.C. Community Students. The complete details are given in Appendix-C.

8. Scholarships :

Students domiciled in Gujarat and studying outside the State of Gujarat are awarded Government of Gujarat Scholarship. There are three such scholarships for degree students worth Rs. 120/- p.m. each and one for diploma student of Rs. 75/- p.m. One scholarship worth Rs.250/- p. m. is also available for studies pertaining to the promotion of technical know-

ledge and research in the field of Petrochemicals and allied subjects. The scholarship is sponsored by "INDIAN OIL CORPORATION". There is another scholarship of Rs. 7000/- p. a. also operated by the department for overseas studies in subjects that help the industrial development of the State of Gujarat. This scholarship is named "HUSSAIN YAVAIR MEMORIAL MERIT SCHOLARSHIP" instituted to be sanctioned only to the aspirants belonging to the Ex-Cambay (Khambhat) State. Besides, the above mentioned scholarships, Government Open Merit Scholarships are available for students studying in various degree and diploma disciplines.

9. Training of Educational Personnel :

The State has been trying in collaboration with the Central Government to make all possible avenues open in keeping the faculty well acquainted with the latest advancements in technology. The following Quality Improvement Programmes are available for the teachers of Engineering Colleges and Polytechnics in the State.

(a) **Doctoral Programmes:**— Teachers already having Master's degree and employed in Government Engineering Colleges are sponsored by the department for a period of three years to undergo doctoral studies at selected institutes of national prominence. The scheme is sponsored by Government of India.

(b) **M. Tech. Programmes in I.I.Ts.:**—Teachers of Government Engineering Colleges are regularly deputed to various Indian Institutes of Technology to undergo M. Tech. Programmes. This is a scheme of the State Government.

(c) **M. E. Programmes (within the State):**— Teachers of Colleges and Polytechnics posted at Surat, Morbi and Ahmadabad are allowed to join M. E. Programmes offered at the local Engineering Colleges.

(d) **Post-Diploma Degree Programmes:**—This programme is meant to enable the faculty of polytechnic to improve their qualifications. This facility is available at Ahmadabad, Surat, Bhavnagar and Vallabh-Vidyanagar for the present.

(e) **Long & Short Term Training Programmes:**—A large number of training programmes are available for teachers of Engineering Colleges, Polytechnics and Technical High Schools. Some of the areas of training are educational technology, content updating, preparation of student

centred learning materials, curricular reforms, educational research, competency based teachers' educational programmes and engineering experimentation course. Technical Teachers' Training Institute, Bhopal provides the above training as on-going programmes as well as on need-based programmes.

(f) **Short-Term Summer & Winter School Programmes:**—These programmes have been sponsored by the Government of India with a view to update the knowledge of the faculty of Engineering Colleges and Polytechnics. The programmes are arranged during vacation under the auspices of Indian Society for Technical Education.

(g) **Short-Term Inservice Training Programmes:**—These programmes have been necessitated due to the regular changes in course structure at various levels. The programmes are arranged by the department in specialised areas for duration of one to three weeks in institutions where the necessary infrastructure and expertise are available.

(h) **Industrial Training under Quality Improvement Programmes:**—It was felt necessary that the teachers should be trained in industrial establishments so that the process of transfer of knowledge of students in Engineering Colleges and Polytechnics becomes more effective. Government of India has sponsored a scheme of 12 weeks practical training in industries for the teachers of engineering colleges and polytechnics. This programme has been found to be very effective for the teachers in imparting education to the students.

(i) **Craft Instructor's Training:**—This is a State Government scheme meant for craft instructors in technical high schools where the Industrial Training Institute courses are run. The craft instructors are deputed to the various Central Training Institutes in the country.

10. Conclusion :

Technical Education in Gujarat has always been in the forefront in accepting new ideas and adapting itself to the changing conditions so that the appropriate manpower of engineers and technicians is provided to the Industry. Gujarat having the second largest industrial base in the country with a fairly stable economy and having less labour problems is poised for greater leaps in industrial and economic development in the country. The Narmada Project, Petro-Chemical Industry, Electronics Industry, Fertiliser Industry and large Engineering Industries are expected to generate unprecedented avenues of employment for engineers and technicians. Computers and electronic devices have become important and unavoidable tools in the production,

management and education, opening up new vistas for employment to personnel trained in computer based courses. Another important factor is the emphasis on vocational education and its expansion requiring a great number of professionally qualified personnel. Taking into consideration all these positive signs, though it may not be possible to envision the exact requirements, the department puts a high premium on a brighter future for the engineers and technicians in the State.

TABLE—1

LIST OF ENGINEERING/TECHNOLOGICAL INSTITUTIONS HAVING
FACILITIES FOR POST-GRADUATE/GRADUATE EDUCATION

(As on 1-8-1986)

Sr. No.	Name of the Institution with full Address	Year of Establishment	Courses Offered	Duration	Intake Capacity
1	2	3	4	5	6

A—GOVERNMENT INSTITUTIONS.

1	*L.D. College of Engineering Opp : Gujarat University, Navrangpura, Ahmedabad-9	1948	(1) Post-Graduate Degree Courses		
			1 Electrical Engineering	3 semesters	10
			2 Computer Aided Structural Analysis & Design	„	10
			3 Water Resources Management	„	10
					30
			(2) Degree Courses		
			1 Civil Engineering	8 Semesters	95
			2 Mechanical Engineering	„	100

1	2	3	4	5	6
			3 Electrical Engineering	8 Semesters	40
			4 Chemical Engineering	„	20
			5 Textile Technology	„	20
			6 Instrumentation & Control	„	30
			7 Electronics & Communication Engineering	„	30
			8 Environmental Engineering	„	20
			9 Computer Engineering	„	20
			10 Rubber Technology	„	10
			11 Plastic Technology	„	10
					395

(3) Part-Time Degree Courses

1 Civil Engineering	8 Semesters	60
---------------------	-------------	----

1	2	3	4	5	6.
			2 Mechanical Engineering	8 Semesters	30
			3 Electrical Engineering	"	30
			4 Electronics & Communication Engineering	"	15
					135

2** L. E. College, 1951
Morbi,
District-Rajkot

(1) Degree Courses

1 Civil Engineering	8 Semesters	120
2 Mechanical Engineering	"	60
3 Electrical Engineering	"	50
4 Production Engineering	"	20
5 Industrial Engineering	"	20
6 Power Electronics	"	20
		290

1	2	3	4	5	6	
3	Shri Shantilal Shah Engineering College, Bhavnagar, Dist. Bhavnagar	1983 (1)	Degree Courses			
			1	Civil Engineering	8 Semesters	30
			2	Mechanical Engineering	„	40
			3	Instrumentation & Control	„	30
						100
			(2) Part-Time Degree Courses			
			1	Civil Engineering	8 Semesters	20
			2	Mechanical Engineering	„	20
						40
			4	Government Engineering College, Modasa, District: Sabar Kantha	1984 (1)	Degree Courses
1	Civil Engineering	8 Semesters				30
2	Electrical Engineering	„				40
						70

1	2	3	4	5	6
B. AUTONOMOUS INSTITUTIONS					
1	Sardar Vallabh- bhai Regional College of Engineering and Technology, Surat	1961	(1) Post-Graduate Degree Courses		
			1 Civil Engineering	3 Semesters	10
			Mechanical Engineering	"	10
			Electrical Engineering	"	10
					<u>30</u>
			(2) Degree Courses		
			1 Civil Engineering	8 Semesters	144
			2 Mechanical Engineering	"	84
			3 Electrical Engineering	"	36
			4 Electronics	"	36
					<u>300</u>
			(3) Part-Time Degree Courses		
			1 Civil Engineering	8 Semesters	20
			2 Mechanical Engineering	"	20
			3 Electrical Engineering	"	20
					<u>60</u>

1	2	3	4	5	6
C—NON-GOVERNMENT INSTITUTIONS					
1	School of Architecture, Navrangpura, Ahmadabad	1962	(1) Degree Course Diploma in Architecture (Equivalent to Degree).	10 Semesters	30)
2	School of Planning, Navrangpura, Ahmadabad	1972	(1) Post-Graduate Diploma Course Planning	4 Semesters	255
3	*L.M. College of Pharmacy, Navrangpura, Ahmadabad	1947	(1) Post-Graduate Degree Courses 1 Ph. D. (Pharm.)	2 Years	33
			2 Pharmacy (M. Pharm)	2 Years	20)
					233
			(2) Degree Course Pharmacy	4 Years	82)
4	Birla Vishwakarma Mahavidyalaya, Vallabhvidyanagar, District : Kheda	1948	(1) Post-Graduate Degree Courses 1 Civil Engineering 2 Mechanical Engineering 3 Electrical Engineering	3 Semesters " "	6) 6 6
					18

1	2	3	4	5	6
			(2) Post-Graduate Diploma Course		
			Solar Energy	2 Semesters	10
			(3) Degree Courses		
			1 Civil Engineering	8 Semesters	172
			2 Mechanical Engineering	"	120
			3 Electrical Engineering	"	90
			4 Electronics	"	30
			5 Production Engineering	"	30
					<u>442</u>
5*	Dharamsinh Desai Institute of Technology, Nadiad, District : Kheda	1968	(1) Degree Courses		
			1 Chemical Engineering	8 Semesters	60
			2 Civil Engineering	"	60
			3 Electronics	"	30
			4 Instrumentation & Control	"	30
			5 Computer Engineering	"	30
					<u>210</u>

1	2	3	4	5	66
6	*Faculty of Technology & Engineering, M. S. University, (Kala Bhavan) Palace Road. Vadodara	1949	(1) Post-Graduate Degree Courses		
			1 Civil Engineering	3 Semesters	40
			2 Mechanical Engineering	„	20
			3 Electrical Engineering	„	10
			4 Textile Engineering	„	10
			5 Industrial Metallurgy	„	10
			6 Chemical Engineering	„	5
			7 Pharmacy	„	5
					100
			(2) Post-Graduate Diploma Course		
			1 Low Cost Housing (Architecture)	2 Semesters	5
			(3) Degree Courses		
			1 Architecture	8 Semesters	40
			2 Civil Engineering	„	138
			3 Mechanical Engineering	„	104
			4 Electrical Engineering	„	90

1	2	3	4	5	6
			5 Chemical Engineering	8 Semesters	30
			6 Textile Technology	„	20
			7 Metallurgy	„	40
			8 Electronics	„	30
			9 Pharmacy	„	30
			10 Textile Engineering	„	20
			11 Water Management	„	28
			12 Industrial Engineering	„	15
			13 Computer Science	„	10
			14 Textile Chemistry (B. Sc. Tech.)	6 Semesters	10
			15 Electronics (Post B. Sc.)	„	20
					<u>625</u>
			(4) Part-Time Degree Courses		
			1 Civil Engineering	8 Semesters	30
			2 Mechanical Engineering	„	40
			3 Electrical Engineering	„	20
					<u>90</u>

1	2	3	4	5	6
*7	B. K. Mody Government Pharmacy College, Government Poly- technic Campus, Rajkot	1984	(1) Degree Course Pharmacy	4 Years	30
8	A. R. College of Pharmacy, Vallabh-Vidyanagar	1982	(1) Degree Course Pharmacy]	4 Years	30

* Diploma programmes are also available in the institution

** Diploma and Certificate programmes are also available in the institution.

TABLE—2

LIST OF POST-GRADUATE AND FIRST DEGREE COURSES.
TOTAL SEATS AVAILABLE AND REQUISITE ENTRANCE
QUALIFICATIONS FOR EACH COURSE

Sr. No.	Name of the Course	Total No. of Seats available	Minimum Entrance Qualification and Duration of Course
1	2	3	4
A—RESEARCH : Facilities available in the institutions where post-graduate courses are conducted.			
B—POST-GRADUATE DEGREE COURSES :			
1	Civil Engineering	56	(1) Graduate Aptitude Test in Engineering (GATE) Exam. pass for direct admission 1-1/2 years.
2	Mechanical Engineering	36	
3	Electrical Engineering	36	
4	Textile Engineering	10	(2) A degree in the concerned field.
5	M. E. (Met)—Industrial Metallurgy	10	
6	M. E. (Chemical) Petro-Chemical Engineering	5	
7	Computer Aided Structural Analysis and Design	10	
8	Water Resources Management	10	
9	M. Pharm. (Pharmaceutical Analysis)	28	Bachelor's Degree in Pharmacy of M. S. University of Baroda OR a Degree recognised as equivalent thereto with at least 55% marks in the aggregate.

1	2	3	4
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C—POST-GRADUATE DIPLOMA COURSES :

1	Solar Energy	10	P. G. Degree in Physics, Chemistry and Biology or Degree in Engineering/Agriculture. 1 year.
2	Low Cost Housing (Architecture)	5	B. Arch. OR B. E. Civil Pass 1 year.
3	Planning	25 ————— 40 —————	(i) Bachelor's Degree in Architecture/Civil Engineering OR (ii) Masters' Degree in Geography/Economics/Sociology. Social Work from a recognised University/ Institution with at least 60% marks (55% marks in case of Scheduled Castes and Scheduled Tribes Candidates. 2 years.

1	2	3	4
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D—DEGREE COURSES :

1	Civil Engineering	789
2	Mechanical Engineering	508
3	Electrical Engineering	346
4	Chemical Engineering	110
5	Textile Technology	40
6	Instrumentation & Control	90
7	Electronics & Communication Engineering	30
8	Production Engineering	50
9	Metallurgy	40
10	Electronics	126
11	Textile Engineering	20
12	Architecture	70
13	Pharmacy	172
14	Environmental Engineering	20
15	Computer Engineering	50
16	Rubber Technology	10
17	Plastic Technology	10
18	Computer Science	10
19	Industrial Engineering	35
20	Power Electronics	20
21	Water Management	28

Std. XIIth Higher Secondary Examination (Science Stream) of Gujarat Secondary Education Board pass with the (1) Mathematics, (2) Physics, (3) Chemistry and (4) Biology or Its equivalent examination pass with the above subjects from the recognised Institution located in Gujarat State.

1	2	3	4
22	Textile Chemistry (B.Sc. Tech.)	10	B.Sc. Examination pass with 55% marks in aggregate with Chemistry as Principal subject and Physics & Mathematics as subsidiary subjects. 6 Semesters
23	Post-B.sc. (Electronics)	20	B.Sc. Examination pass with 55% marks in aggregate with Mathematics or Physics as principal subjects. 6 Semesters.
		2604	

E-PART-TIME DEGREE COURSES :

1	Civil Engineering	130	} (a) Diploma in corresponding branch OR its equivalent examination Pass with at least 45% marks.
2	Mechanical Engineering	110	
3	Electrical Engineering	70	} (b) Experience of at least 2 years in the corresponding field after obtaining the Diploma.
4	Electronics & Communication Engineering	15	
		325	(c) At the time of admission, the candidate must be actively engaged in industry or profession. 8 Semesters

TABLE—3

**DETAILS OF POST-GRADUATE COURSES-MAIN BRANCHES &
ELECTIVE SUBJECTS : INSTITUTIONWISE**

Sr. No.	Name of the Institution	Main Branches	Elective subjects Available
1	2	3	4
A—POST-GRADUATE DEGREE COURSES :			
1	Faculty of Engineering & Technology, M.S. University, Vadodara	1. Civil Engineering 2. Mechanical Engineering 3. Electrical Engineering 4. Chemical Engineering 5. Textile Engineering 6. Pharmacy 7. Metallurgy	(a) Soil Mechanics and Foundation Engineering (b) Highway Engineering (c) Hydraulic Structure (d) Public Health (e) Structural Engineering and (f) Water Resources Engineering (a) Production Engineering (b) Heat Power Engineering (a) Control Systems (b) Power Systems
2	S. V. Regional College of Engineering & Technology, Surat	1. Civil Engineering 2. Mechanical Engineering 3. Electrical Engineering	(a) Environmental Engineering (b) Transportation Engineering (c) Soil Mechanics and Foundation Engineering (d) Structural Engineering

1	2	3	4
3	L. D. College of Engineering, Ahmadabad	1. Computer Aided Structured Analysis and Design 2. Water Resources Management 3. Electrical Engineering	Power Systems
4	L. M. College of Pharmacy, Ahmadabad	Pharmacy	(a) Pharmacology (b) Pharmaceutical Technology (c) Pharmacognosy and (d) Pharmaceutical Chemistry
5	Birla Vishwakarma Mahavidyalaya, Vallabh-Vidyanagar	1. Civil Engineering 2. Mechanical Engineering 3. Electrical Engineering	Structural Engineering Machine Design Power Systems

B—POST—GRADUATE DIPLOMA COURSES :

1	Faculty of Engineering & Technology, M. S. University, Vadodara	Low Cost Housing (Architecture)
2	School of Planning, Ahmadabad	Town Planning

1	2	3	4
3	Birla Vishwakarma, Mahavidyalaya, Vallabh-Vidyanagar	Solar Energy	

Note : The courses and subjects shown are approved by the Post-Graduate Board. However, there are a few more courses (not approved by the Post-Graduate Board) run at L. D. College of Engineering, Ahmadabad, L. E. College, Morbi and D. D. Institute of Technology, Nadiad for which the details can be had directly from the institutions.

TABLE-4

LIST OF ENGINEERING/TECHNOLOGICAL INSTITUTIONS HAVING FACILITIES FOR
POST--DIPLOMA/DIPLOMA EDUCATION (FULL-TIME AND PART-TIME)

(As on 1-8-1986)

Sr. No.	Name of the Institution with full Address	Year of Establishment	Courses Offered	Duration of Course	Intake Capacity
1	2	3	4	5	6
A-GOVERNMENT INSTITUTIONS :					
1	L. D. College of Engineering, Opp : Gujarat University, Navrangpura, Ahmadabad-380015	1948	(1) Post-Diploma Courses		
			1 Air-Conditioning and Refrigeration	2 Semesters	20
			2 Power Plant Engineering	„	20
			3 Technical Sales Management (P. T.)	„	25
					65
2	Government Polytechnic, Ambawadi, Ahmadabad-380015	1947	(1) Post-Diploma Courses		
			Computer Applications	3 Semesters	30
			(2) Diploma Courses		
			1 Civil Engineering	6 Semesters	140

2 Mechanical Engineering	6 Semesters	80
3 Electrical Engineering	6 "	50
4 Plastic Engineering	8 "	30
5 Automobile Engineering	6 "	30
6 Instrumentation & Control	6 "	30
		<hr/>
		360
		<hr/>

(3) Part-Time Diploma Courses

1 Civil Engineering	8 Semesters	60
2 Mechanical Engineering	"	60
3 Electrical Engineering	"	60
4 Automobile Engineering	"	15
5 Plastic Engineering	"	15
6 Machine Tools Technology	3 Years	25
7 Tools Engineering	"	25
		<hr/>
		260
		<hr/>

1	2	3	4	5	6	
*3	R. C. Technical Institute, Saraspur, Near Railway Station, Ahmadabad-380018	1947	(1)	Diploma Courses		
				1 Mechanical Engineering	6 Semesters	30
				2 Electrical Engineering	6 „	30
				3 Printing Technology	6 „	30
				4 Textile Manufacturing	8 „	45
				5 Textile Chemistry	8 „	30
						165
			(2)	Part-Time Diploma Course		
				1 Textile Chemistry	4 Semesters	30
				2 Textile Manufacturing	8 „	20
						50
*4	Government Polytechnic for Girls, Opp. Physical Research Laboratory, Ahmadabad-380015	1964	(1)	Post-Diploma Course, Interior Design	3 Semesters	10
			(2)	Diploma Courses		
				1 Commercial Practice	6 Semesters	45

	2 Architectural Assistantship	6 Semesters	30
	3 Costume Design & Dress Making	6 „	30
	4 Electronics & Radio Engineering	5 Semesters	45
			<hr/>
			150
			<hr/>
	(3) Part-Time Diploma Course		
	Textile Design	6 Semesters	15
			<hr/>
5 Shri K .J. Polytechnic, 1961 Near National Highway, Bharuch	(1) Post-Diploma Course		
	Industrial Engineering	2 Semesters	10
	(2) Diploma Courses		
	1 Civil Engineering	6 Semesters	72
	2 Mechanical Engineering	„	36
	3 Electrical Engineering	„	25
	4 Commercial Practice	„	25
	5 Chemical Engineering	„	30
			<hr/>
			188
			<hr/>

1	2	3	4	5	6
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(3) Part-Time Diploma Courses

1	Civil Engineering	8 Semesters	15
2	Mechanical Engineering	"	30
3	Electrical Engineering	"	15
			60

*6 Sir Bhavsinhji
Polytechnic Institute,
Bhavnagar

1949

(1) Post-Diploma Course

	Production Engineering	2 Semesters	15
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(2) Diploma Courses

1	Civil Engineering	6 Semesters	100
2	Mechanical Engineering	"	105
3	Electrical Engineering	"	60
4	Textile Manufacturing	8 Semesters	30
5	Fabrication Technology	"	20

6 Automobile Engineering	6 Semesters	30
7 Commercial Practice	"	30
8 Costume Design & Dress Making	"	15
9 Home Science	4 Semesters	30
		420

(3) Part-Time Diploma Courses

1 Civil Engineering	8 Semesters	45
2 Mechanical Engineering	"	30
3 Electrical Engineering	"	30
		105

33

7 Government Polytechnic, 1983
 Himmatnagar,
 Dist : Sabar Kantha

(1) Diploma Courses

1 Civil Engineering	6 Semesters	30
2 Electrical Engineering	"	30
		60

1	2	3	4	5	6
8	Government Polytechnic, 1960 Opp. Air-port, Porbandar, Dist : Junagadh	(1) Diploma Courses			
		1 Civil Engineering		6 Semesters	72
		2 Mechanical Engineering		"	36
		3 Electrical Engineering		"	25
					<u>133</u>
		(2) Part-Time Diploma Courses			
		1 Mechanical Engineering		8 Semesters	15
		2 Civil Engineering		"	15
		3 Electrical Engineering		"	15
					<u>45</u>
9	Government Polytechnic, 1983 D. K. V. College Campus, Jamnagar	(1) Diploma Courses			
		1 Civil Engineering		6 Semesters	30
		2 Mechanical Engineering		"	30
					<u>60</u>

*10 K.D. Polytechnic,
Patan,
Dist : Mahesana (N.G.)

1960

(1) Diploma Courses

1 Civil Engineering	6 Semesters	72
2 Mechanical Engineering	"	36
3 Electrical Engineering	"	25
4 Commercial Practice	"	45
5 Home Science	4 "	15

193

11 Government Polytechnic, 1959
Dahod,
Dist : Panch Mahals

(1) Diploma Courses

1 Civil Engineering	6 Semesters	90
2 Mechanical Engineering	"	60
3 Electrical Engineering	"	30

180

PLANNING AND ADMINISTRATION
NATIONAL INSTITUTE OF EDUCATIONAL
17, E. SMYTH ROAD, MADRAS, NEW DELHI-11003
DOC. No. 88
Date.....

1	2	3	4	5	6
			(2) Part-Time Diploma Courses		
			1 Civil Engineering	8 Semesters	30
			2 Mechanical Engineering	"	30
			3 Electrical Engineering	"	15
					75
*12	L. E. College, Morbi, Dist. Rajkot	1947	(1) Diploma Courses		
			1 Civil Engineering	6 Semesters	72
			2 Mechanical Engineering	"	36
			3 Electrical Engineering	"	25
			4 Ceramic Technology	5 Semesters	15
					148
13	Government Polytechnic, Aji Dam Road, Rajkot	1964	(1) Diploma Courses		
			1 Civil Engineering	Semesters	72
			2 Mechanical Engineering	"	36
			3 Electrical Engineering	"	25
					133

(2) Part-Time Diploma Courses

1 Civil Engineering	8 Semesters	30
2 Mechanical Engineering	”	30
3 Electrical Engineering	”	30
4 Tools Engineering	3 Years	15

105

*14 A.V. Parekh Technical 1948
Institute, Near Dharmendra
College, Rajkot

(1) Post-Diploma Courses

1 T.V. Engineering	2 Semesters	20
2 Industrial Electronics	3 ”	20
3 Computer Applications	3 ”	30

70

(2) Diploma Courses

1 Electronics & Radio Engineering	5 Semesters	50
2 Sound Engineering	”	10
3 Computer Technology	”	20
4 Instrumentation & Control	”	30
5 Commercial Practice	6 Semesters	30
6 Costume Design & Dress Making	”	15

155

1	2	3	4	5	6
*15	Dr. S. & S.S. Gandhi College of Engineering & Technology, Majura Gate, Surat	1955	(1) Post-Diploma Course Production Engineering	2 Semesters	15
			(2) Diploma Courses		
			1 Civil Engineering	6 Semesters	90
			2 Mechanical Engineering	„	80
			3 Electrical Engineering	„	50
			4 Man Made Fibres-Fabrics	„	25
			5 Man Made Fibres- Wet Processing	„	25
			6 Automobile Engineering	„	30
			7 Metallurgy	„	30
			8 Power Electronics	5 Semesters	20
					<u>350</u>

(3) Part-Time Diploma Courses

1	Civil Engineering	8 Semesters	30
2	Mechanical Engineering	„	25
3	Electrical Engineering	„	20
4	Automobile Engineering	„	15
			<hr/>
			90
			<hr/>

*16 Government
Polytechnic for Girls,
Near Athwa Lines,
Surat

1965

(1) Post-Diploma Course

Personal Secretarial Practice	2 Semesters	15
		<hr/>

(2) Diploma Courses

1	Commercial Practice	6 Semesters	30
2	Architectural Assistantship	6 „	30
3	Commercial Art	8 Semesters	30
4	Electronics & Radio Engineering	5 Semesters	30
5	Computer Technology	5 „	20
			<hr/>
			140
			<hr/>

(3) Part-Time Diploma Course

Textile Design	6 Semesters	15
		<hr/>

1	2	3	4	5	6
---	---	---	---	---	---

17	Government Polytechnic, Valsad	1965	(1) Diploma Courses		
			1 Civil Engineering	6 Semesters	72
			2 Mechanical Engineering	„	36
			3 Electrical Engineering	„	25
			4 Chemical Engineering	„	30

163

40

(2) Part-Time Diploma Courses

1	Civil Engineering	8 Semesters	15
2	Mechanical Engineering	„	15
3	Electrical Engineering	„	15

45

18	Government Polytechnic, Wadhwan Road, Surendranagar	1984	(1) Diploma Courses		
			1 Civil Engineering	6 Semesters	30
			2 Mechanical Engineering	"	30
					<hr/> 60 <hr/>
19	Government Polytechnic, Palanpur, Dist. Banas Kantha	1984	(1) Diploma Courses		
			1 Civil Engineering	6 Semesters	30
			2 Electrical Engineering	"	30
					<hr/> 60 <hr/>
20.	Dr. Jivraj N. Mehta Government Polytechnic, Amreli	1984	(1) Diploma Courses		
			1 Civil Engineering	6 Semesters	30
			2 Mechanical Engineering	"	30
					<hr/> 60 <hr/>

1	2	3	4	5	6
21	B. K. Mody Government Pharmacy College, Aji Dam Road, Rajkot	1984	(1) Diploma Course Pharmacy	2 Years	<u>60</u>
B—AUTONOMOUS INSTITUTIONS :					
22.	Institute of Hotel Management, Catering & Nutrition; (Food Craft Institute) Government Polytechnic Compound, Ambawadi, Ahmadabad-380015	1982	(1) Diploma Course Hotel Management & Catering Technology	6 Semesters	<u>40</u>
23.	Mahatma Gandhi Institute of Labour Studies, Opp : Manav Mandir, Ahmadabad-380 052	1982	(1) Diploma Course Industrial Safety	1 Year	<u>40</u>

C—NON-GOVERNMENT INSTITUTES:

24	L. M. College of Pharmacy, Navrangpura, Ahmadabad	1947	(1) Diploma Course Pharmacy	2 years	<u>100</u>
25	D. D. Institute of Technology, Nadiad, Dist : Keda	1968	(1) Diploma Course Chemical Engineering	6 Semesters	<u>40</u>
26	B. & B. Polytechnic, Vallabh-Vidyanagar, Dist : Kheda	1958	(1) Post-Diploma Course Dairy Engineering (2) Diploma Courses 1 Civil Engineering 2 Mechanical Engineering 3 Electrical Engineering 4 Electronics & Radio Engineering (3) Part-Time Diploma Course Mechanical Engineering	2 Semesters 6 Semesters 6 " 6 " 5 semesters 8 semesters	20 152 120 60 <u>30</u> <u>362</u> <u>30</u>
27	M. N. College of Pharmacy, Khambhat, Dist : Kheda	1970	(1) Diploma Course Pharmacy	2 years	<u>80</u>

1	2	3	4	5	6
28	Tolani Foundation Gandhidham Polytechnic, Adipur, Dist. Kachchh	1961	(1) Diploma Courses		
			1 Civil Engineering	6 semesters	90
			2 Mechanical Engineering	6 "	60
			3 Electrical Engineering	6 "	30
			4 Home Science	4 semesters	15
			5 Pharmacy	2 years	30
					225
			(2) Part-Time Diploma Courses		
			1 Civil Engineering	8 semesters	30
			2 Mechanical Engineering	"	30
			3 Electrical Engineering	"	30
					90

29	Faculty of Technology & Engineering, M. S. University, Vadodara	1949	(1) Diploma Courses				
			1 Textile Technology	6 semesters	15		
			2 Textile Chemistry	6 "	15		
				<hr/>	30		
30	Polytechnic, M. S. University, Vadodara	1957	(1) Post-Diploma Course Air-conditioning & Refrigeration	2 semesters	15		
						<hr/>	
					(2) Diploma Courses		
					1 Civil Engineering	6 semesters	190
					2 Mechanical Engineering	6 "	175
					3 Electrical Engineering	6 "	160
					4 Petro-Chemical Technology	3 years & 10 months	45
							<hr/>
							570
							<hr/>
			(3) Part-Time Diploma Courses				
			1 Civil Engineering	8 semesters	65		
			2 Mechanical Engineering	8 "	70		
			3 Electrical Engineering	8 "	65		
					<hr/>		
					200		
					<hr/>		

1	2	3	4	5	6
31	Shri G. H. Patel Institute of Pharmacy, Vallabh-Vidyanagar, Dist : Kheda	1981	(1) Diploma Course Pharmacy	2 years	30
32	Man Made Textile Research Association, Surat	1982	(1) Diploma Courses 1 Man Made Fibres-Fabrics 2 Man Made Fibres -Wet Processing	6 semesters 6 "	30 30 <u>60</u>
			(2) Part-Time Diploma Courses 1 Man Made Fibres-Fabrics 2 Man Made Fibres- Wet Processing	8 semesters 8 "	30 30 <u>60</u>
33	Patidar Gin Science & Dr. Dayaram Pharmacy College, Bardoli, Dist : Surat	1983	(1) Diploma Course Pharmacy	2 years	<u>30</u>

TABLE--5

LIST OF POST-DIPLOMA AND DIPLOMA COURSES, TOTAL SEATS AVAILABLE AND REQUISITE ENTRANCE QUALIFICATIONS FOR EACH COURSE

Sr. No.	Name of the Course	Duration of Course	Total No. of seats available	Minimum Entrance Qualifications
1	2	3	4	5
A--POST--DIPLOMA COURSES :				
1	Production Engineering	2 Semesters	30	Diploma or Degree in Mechanical Engineering or Automobile Engineering or Metallurgy
2	Refrigeration & Air-conditioning	,,	35	Diploma or Degree in Mechanical Engineering or Electrical Engineering or Electronics Engineering
3	Power Plant Engineering	,,	20	Diploma or Degree in Mechanical Engineering or Electrical Engineering
4.	Television Engineering	,,	20	Diploma in Electronics and Radio Engineering or Electronics and Sound Engineering or Electrical Engineering or Radio Technology or Degree in Electronics or Electrical Engineering
5.	Industrial Electronics	3 Semesters	20	,,

1	2	3	4	5
6. Technical Sales Management	2	Semesters	25	Diploma or Degree in Engineering/Technology
7. Interior Design	3	Semesters	10	Diploma in Architecture Assistantship or Civil Engineering or Degree in Fine Arts
8. Dairy Engineering	2	„	20	Diploma in Mechanical Engineering or Electrical Engineering
9. Industrial Engineering	2	„	10	„
10. Personal Secretarial Practice	2	„	15	Diploma in Commercial Practice or Degree in Arts/Commerce with English and Type Writing Certificate
11. Computer Applications	3	„	60	Diploma in Electronics and Radio Engineering/ Sound Engineering/Instrumentation & Control/Civil Engineering/Mechanical Engineering/ Electrical Engineering/Chemical Engineering/ Automobile Engineering/Plastic Engineering/ Textile Manufacturing/Textile Chemistry from Recognised Polytechnic or equivalent Diploma Pass with any Engineering/Technology subjects
			265	

B-DIPLOMA COURSES :

Group--1

1. Textile Technology	6 Semesters	15
2. Textile Chemistry	8 Semesters	45
3. Textile Manufacturing	"	75
4. Plastic Engineering	"	30
5. Fabrication Technology	"	20
6. Petro-Chemical Technology	3 years and 10 months	45

Std. Xth S. S. C. Examination (Science Stream) of Gujarat Secondary Education Board pass with the following subjects.

- (1) English
- (2) Mathematics (Higher Algebra-Geometry)
- (3) Science (Physics-Chemistry).

or

Its equivalent examination pass with the above subjects from the recognised institution located in Gujarat State

1	2	3	4	5
7	Civil Engineering	6 Semesters	1434	<p>Std. Xth S. S. C. Examination (Science Stream) of Gujarat Secondary Education Board pass with the following subjects:</p> <p>(1) English</p> <p>(2) Mathematics (Higher Algebra-Geometry)</p> <p>(3) Science (Physics--Chemistry)</p> <p>Or</p> <p>Its equivalent Examination pass with above subjects from the recognised institution located in Gujarat State.</p>
8	Mechanical Engineering	„	1016	
9	Electrical Engineering	„	680	
10	Chemical Engineering	„	100	
11	Man Made Fibre-Fabrics	„	55	
12	Man Made Fibre-Wet Processing	„	55	
13	Printing Technology	„	30	
14	Automobile Engineering	„	90	
15	Hotel Management and Catering Technology	„	40	
16	Metallurgy	„	30	
17	Architectural Assistantship	„	60	

Group—2

18. Commercial Practice 6 Semesters 205 Std. Xth S.S.C. Examination of Gujarat Secondary Education Board pass with (1) English (2) Mathematics or Commercial Mathematics.

OR

Its equivalent examination pass with the above subjects from the recognised institution located in Gujarat State.

Group—3

19. Costume Design and Dress Making 6 Semesters 60 } Std. Xth S.S.C. Examination of Gujarat Secondary Education Board pass with English.

20. Home Science 4 Semesters 60 } OR

Its equivalent examination pass with English from the recognised institution located in Gujarat State.

Group—4

21. Commercial Art 8 Semesters 30 Std. Xth S.S.C. Examination of Gujarat Secondary Education Board or its equivalent examination pass with subject of Drawing.

OR

Std. Xth S.S.C. Examination of Gujarat Secondary Education Board or its equivalent examination and Intermediate Drawing examination Pass.

1	2	3	4	5
22.	Computer Technology	5 Semesters	40	Std. XIIth Higher Secondary Examination (Science Stream) of Gujarat Secondary Education Board pass with: (1) Mathematics (2) Physics (3) Chemistry OR Its equivalent examination pass with the above subjects from the recognised institution located in Gujarat State.
23.	Ceramic Technology	,,	15	,,
24.	Electronics and Radio Engineering	,,	155	,,
25.	Sound Engineering	,,	10	,,
26.	Power Electronics	,,	20	,,
27.	Instrumentation and Control	,,	60	,,

28. Pharmacy	2 years	330	Pass in Std., Xth with English and Mathematics or equivalent examination pass.
29. Industrial Safety	1 Year	40	Degree in any Branch.
		4845	

C—DIPLOMA COURSES (Part-Time) :

1. Civil Engineering	8 Semesters	335	Secondary School Certificate Examination pass with one year experience in respective field.
2. Mechanical Engineering	„	365	„
3. Electrical Engineering	„	295	„
4. Machine Tools Technology	3 years	25	Pass in National Apprenticeship Certificate in Concerned Trade. I.T.I. pass in concerned trade with one year experience in Industries or pass in Std. Xth Examination with 2 years experience in Industry
5. Tools Engineering	„	40	„
6. Textile Chemistry	4 Semesters	30	B. Sc. with Chemistry as a main subject

1	2	3	4	5
7	Plastic Engineering	8 Semesters	15	Secondary School Certificate Examination pass with one year experience in respective field
8	Automobile Engineering	„	30	„
9	Man Made Fibres-Fabrics	6 Semesters	30	„
10	Man Made Fibres-Wet Processing	„	30	„
11	Textile Design	„	30	„
12	Textile Manufacturing	„	20	„
			1245	

TABLE-6

**DETAILS OF ENGINEERING/TECHNOLOGICAL DIPLOMA/POST-DIPLOMA COURSES
SPECIFICALLY MEANT FOR WOMEN**

Sr. No.	Name of the Institution	Courses and Intake Capacity									
		E. & R.E.	C.P.	Arch. Assts.	C.A.	Home Sc.	Comp. Tech.	C.D. D.M.	P.S.P.	Intr. Desn.	Total
1	2	3	4	5	6	7	8	9	10	11	12
1	Government Polytechnic for Girls, Ahmadabad	45	45	30	..	..	..	30	..	10	160
2	Sir Bhavsinhji Polytechnic Institute, Bhavnagar @	..	30	..	..	30	..	15	..	..	75
3	K. D. Polytechnic, Patan @	..	30	..	..	15	..	..	..	..	45
4	A. V. Parekh Technical Institute, Rajkot@	15	15	..	..	..	20	15	..	..	65
5	Government Polytechnic for Girls, Surat	30	30	30	30	..	20	..	15	..	155
6	Tolani Foundation Gandhidham Polytechnic, Adipur @	..	..	..	..	15	..	..	..	..	15
Grand Total :		90	150	60	30	60	40	60	15	10	515

Abbreviations used :

- | | | | |
|---|--------------|---|--|
| 1 | E. & R. E. | : | Electronics & Radio Engineering |
| 2 | C.P. | : | Commercial Practice |
| 3 | Arch. Assts. | : | Architectural Assistantship |
| 4 | C. A. | : | Commercial Art |
| 5 | Home Sc. | : | Home Science |
| 6 | Comp. Tech. | : | Computer Technology |
| 7 | C.D.D.M. | : | Costume Design & Dress Making |
| 8 | P.S.P. | : | Personal Secretarial Practice (Post—Diploma) |
| 9 | Intr. Desn. | : | Interior Design (Post—Diploma) |

TABLE—7

DETAILS OF INTAKE IN TECHNICAL HIGH SCHOOLS/INSTITUTES

Sr. No.	Name and address of the Institution	Year of Establishment	Present Sanctioned Intake	No. of Division	Name of Participating School
1	2	3	4	5	6
(A) GOVERNMENT TECHNICAL HIGH SCHOOLS :					
1	Government Technical High School, Palanpur, Dist. Banas Kantha	1955	135	3	1 Multi Purpose High School 2 Nutan High School 3 Adarsh High School 4 City High School 5 Saraswati High School
2	Desai K. J. Technical High School, Virangam, Dist. Ahmadabad	1959	90	2	1 Sheth M. J. High School 2 K. B. Shah Vinay Mandir
3	Government Technical High School, Junagadh	1959	135	3	1 Swami Vivekanand Vinay Mandir 2 Narsinh Vidya Mandir 3 St. Marry English School
4	Government Technical High School, Surendranagar	1959	90	2	1 J. & V. High School, Surendranagar 2 D. & T. High School 3 Kadva Patidar Boys High School

1	2	3	4	5	6
5	P. N. Technical High School, Kapadvanj	1951	180	4	1 C. N. Vidyalaya, Kapadvanj; 2 M. P. Municipal High School, Kapadvanj 3 L. M. Shardamandir, Kapadvanj
6	Government Technical High School, Bhavnagar	1963	135	3	1 S. S. Shah High School, Bhavnagar 2 Sanatandharm High School Bhavnagar
7	Government Technical High School, Bharuch	1954	135	3	1 R. S. Dalal High School, Bharuch 2 Pioneer High School, Bharuch 3 Progressive High School, Bharuch
8	R. B. Sheth & P. K. Kotawala-Ind-cum- Technical High School, Patan (N.G.)	1938	90	2	1 Gurukul Vidyavihar, Patan 2 B. D. Sarvajanic Vidyalaya, Patan
9	K. K. Parekh Technical Institute, Amreli	1953	135	3	1 Kamani Foreward High School, Amreli 2 Parekh & Mehta Vidyalaya, Amreli

10	Government Technical High School, Dahod	1955	90	2	1 Mrs M Y High School, Dahod 2 Mr R. & L. Pandya High School, Dahod
11	F. S. Parekh Technical High School, Surat	1955	225	5	1 M. G. Singapuri Girls High School, Surat 2 Englo High School, Surat 3 I.C. Gandhi High School, Surat 4 New Era High School, Surat
12	Government Technical High School, Godhra	1954	90	2	1 New Era High School, Godhra 2 Ikbal High School, Godhra 3 Telang High School, Godhra 4 Unnati High School, Godhra
13	Government Technical-cum-Commercial Centre, Modasa, Dist. Sabar Kantha	1955	135	3	1 Modasa High School, Modasa 2 Sarvodaya High School, Modasa 3 Makhadum High School, Modasa
14	Government Technical Centre, Valsad	1965	90	2	1 Bai Aavabai High School, Valsad 2 Sheth R. J. J. High School, Valsad
15	Government Technical High School, Dhrangadhra	1959	90	2	1 Ajitsinhji High School, Dhrangadhra 2 M.M. Vidyalaya, Dhrangadhra

1	2	3	4	5	6
16	Government Technical High School, Dhoraji, Dist. Rajkot	1965	180	4	1 Bhavsimuji High School, Dhoraji 2 A. L. Kaneriya High School, Dhoraji 3 Adarsh High School, Dhoraji 4 Vallabh Vidyalaya, Upleta
17	Government Technical High School, Ahmadabad	1955	135	3	1 New Middle High School, Ahmadabad 2 Rajasthan Hindi High School, Ahmadabad 3 Fellowship High School, Ahmadabad 4 H. B. Kapadia High School, Ahmadabad
18	Government Technical High School, Vadodara	1958	180	4	1 Pratap High School, Vadodara 2 Sharda Mandir High School, Vadodara 3 Sayaji High School, Vadodara 4 Swami Vidyanandji Vidya Vihar, Vadodara

19	Government Technical High School, Care : R. C. Technical Institute, Ahmadabad—380 018	1951	133	3	1 Saraswati High School, Ahmadabad 2 Bharat Secondary School, Ahmadabad-1 3 Swaminarayan Vidyalaya, Ahmadabad-21
20	Government Technical High School, Kalol (N.G.)	1957	90	2	1 Vakharia P. J. High School, Kalol (N.G.)
21	Navsari Technical Institute, Navsari, Dist. Valsad	1949	135	3	1 Sir C. J. & Z. Madressa, High School. Navsari 2 Navsari High School, Navsari 3 Sheth P. H. Vidyalaya, Navsari
Total : 'A'			<u>2700</u>	<u>60</u>	

(B) GOVERNMENT MULTI-PURPOSE HIGH SCHOOLS

22	S. V. Virani High School, Rajkot	1957	135	3
23	M. G. Vidyalaya, Rajkot	1955	90	2
24	Bhavsinhji High School, Porbandar	1955	45	1
25	Alfred High School, Bhuj, Dist. Kachchh	1958	45	1

1	2	3	4	5	6
26	D. S. & B. B. Model Multi-purpose High School, Abrama, Valsad Dist. Valsad,	1960	45	1	
27	V. C. Technical High School, Morbi, Dist. Rajkot	1951	135	3	
Total : 'B'			495	11	

(C) NON-GOVERNMENT TECHNICAL HIGH SCHOOLS :

28	Diwan Ballubhai Madhyamik Shala, Ahmadabad	1960	45	1	
29	C. N. Vidyalaya, Ahmadabad	1926	45	1	
30	Technical High School, Kadi (N.G.)	1970	225	5	
31	D. D. Technical Institute, Nadiad, Dist. Kheda	1965	90	2	
32	M. U. Patel High School, Vallabh-Vidyanagar	1963	225	5	
33	S. Z. Waghela High School, Khambhat, Dist. Kheda	1960	180	4	
34	V. B. Vividhlakshi High School, Sunav	1934	180	4	

35	V. N. High School, Dharmaj, Dist. Kheda	1959	135	3
36	C. M. Patel High School, Khambholaj, Dist. Kheda	1967	180	4
37	Parekh & Mehta High School, Jafrahad, Dist. Amreli	1956	90	2
38	J. P. Parekh High School, Mahuva, Dist. Bhavnagar	1941	90	2
39	Gurukul Mitramandal Vanijya Vidyamandir, Palitana, Dist. Bhavnagar	1943	45	1
40	D. C. C. High School, Sikka, Dist. Jamnagar	1954	90	2
41	Kadod High School, Kadod, Dist. Surat	1961	45	1
42	Navanagar High School, Jamnagar	1956	45	1
43	M. T. Boys' Technical High School, Surat	1960	225	5
Total : 'C' :			1935	43
Grand Total : 'A' to 'C' ;			5130	114

TABLE—8

**DETAILS REGARDING NAME, DURATION AND ENTRY
QUALIFICATION FOR VARIOUS CERTIFICATE
LEVEL COURSES.**

Sr. No.	Name of the Course	Duration	Entrance Qualification
1	2	3	4
A—INDUSTRIAL TRAINING INSTITUTE (I.I.I.) COURSES :			
1	Refrigeration and Air-Conditioning	2 years	SSC pass with Science subjects
2	Watch & Clock Repairing	,,	Standard VIII
3	Draftsman Mechanical	,,	SSC pass with Mathematics and Science Subjects
4	Draftsman Civil	,,	,,
5	Electrician	,,	,,
6	Surveyor	,,	,,
7	Radio and Television Mechanic	,,	,,
8	Motor Mechanic	,,	Standard VII Pass
9	General Mechanic (State level)	,,	,,
10	Turner	,,	Standard VIII Pass
11	Fitter	,,	,,
12	Wireman	2 years	,,
13	Welder	1 year	,,

1	2	3	4
14	Stenography (English)	1 year	Standard X Pass
15	Stenography (Gujarati)	"	"
16	Hand Composing	"	"
B—TEXTILE AND ALLIED COURSES : (TEB)			
17	Hand and Powerloom Weaving	2 years	IV Standard pass
18	Handloom Weaving	"	"
19	Cotton Weaving	"	SSC Pass
20	Cotton Spinning	"	"
21	Man Made Fibres Weaving (PT)	"	SSC pass with one year experience in Industry/ Organization
22	Man Made Fibres Wet Processing (PT)	"	"
23	Handloom Technology	"	VII Standard Pass with experience
24	Textile Design	"	SSC Pass with Drawing Subject or SSC Pass & Intermediate Drawing Examination Pass
C—ENGINEERING & VOCATIONAL TRADE COURSES : (TEB)			
25	Electrical Service Technician	2 years	SSC Pass
26	Civil & Architectural Drafting & Estimating	"	SSC with Mathematics, Science & English Subjects
27	Mechanical Drafting & Estimating	"	"

1	2	3	4
28	Carpentry Trade	2 years	VII Standard Pass
29	Carpentry Practice	„	„
30	Furniture Making	„	„
31	Maintenance Technician	„	SSC
32	Production Technician	„	„
33	Horology Technician	„	„
34	Motor Mechanic	„	VII Standard pass
35	General Workshop Practice	{Turner } {Fitter }	„
36	Toy & Doll Making	1 Year	SSC
37	Radio Service Work	(FT) 1 Year (PT) 2 years	„ „
38	Electrical Installation, Wiring & Jointing	1 Year	VII Standard pass
39	Television Service Technician	„	Certificate in Radio Servicing
40	Wireless Telegraphy Technician	„	SSC with Mathematics, Science Subjects
41	Radio Circuit Wiring	„	„
42	Electronics Fabrication & Assembling Mechanic	„	„
43	Refrigeration & Air- Conditioning Appliances Mechanic	„	Standard IX Pass

1	2	3	4
44	Foremanship & Supervision	(PT) 1 year	SSC with three years experience in Industry/Organization as Supervisor OR Graduate/Diploma holder with two years experience in Industry/Organization as Supervisor
45	Leather Work	"	SSC
46	Card Board Work & Book Binding	(FT) 6 Months (PT) 1 Year	" "
47	Auto Engine Mechanic	1 Year	"
48	Printing	(PT) "	"
49	Artisan Training Course In Diamond Processing	"	"
50	Batik	6 Months	VII Standard Pass
51	Flower Arrangement	"	IX Standard Pass
52	Motor Winding	"	IX Standard & Wireman Apprentice Pass
53	Cine Projection	"	SSC with Mathematics & Science subjects
54	Photography	"	SSC
55	Chemical Plant Operator	"	SSC Pass with Mathematics, English & Science Subjects
56	Consumers Electronics	1 year	S.S.C. Pass with Maths & Science or its Equivalent Examination Pass
D—TAILORING & ALLIED COURSES (TEB)			
57	Womens' & Childrens' Garment Making (WCGM)*	1 Year	VII Standard Pass

1	2	3	4
58	Mens' & Womens' Garment Making (MWGM) *	1 year	VII Standard Pass
59	Embroidery & Fancy Work	"	"
60	Teachers' Training In Needle Craft	"	VII Standard Pass with WCGM (TCWCG) & E&FW Examinations Pass
61	Master Tailor	"	VII Standard Pass with T & C (MWGM) Pass

E—MEDICAL & ALLIED COURSES : (TEB)

62	Medical Technician	1 year	Standard XII Pass (Science Stream)
63	Medical Laboratory Technology	"	"
64	Radiography/ECG & Operation Theatre Technology	"	B. Sc.
65	Laboratory Technology	"	"

F—FOOD CRAFT COURSES : (TEB)

66	Hotel Reception & Communication	1 Year	SSC with English
67	Commercial Cookery	"	"
68	Food Processing & Preservation	"	"

1	2	3	4
60	Restaurant & Counter Service	1 Year	SSC with English
70	Hotel House Keeping (House Operation)	"	"
71	Bakery & Flour Confectionery	"	"
G—SPECIAL COURSES FOR THE BLIND : (TEB)			
72	Armature Winding	1 Year	VII Standard
73	Cane Work	"	"
74	Hand & Powerloom Weaving	"	"
75	Card Board Work & Book Binding	"	"
76	Carpentry Practice	"	"
77	Mechanic	"	"

- Note:—**(i) F.T.—Full—Time
(ii) P.T.—Part—Time
(iii) T.E.B.—Technical Examinations Board
(iv) I.T.I.—Industrial Training Institute

TABLE—9

**CERTIFICATE LEVEL COURSES OFFERED BY ENGINEERING COLLEGES, POLYTECHNICS,
TECHNICAL HIGH SCHOOLS /CENTRES AND OTHER GOVERNMENT AND NON-GOVERNMENT
INSTITUTIONS**

Sr. No.	Name and Address of Institution	Course Offered With (Intake Capacity)		
		T. E. B.		I. T. I.
		Full-Time	Part-Time	
1	2	3	4	5

(A) GOVERNMENT ENGINEERING COLLEGES :

- | | | |
|-------------------------|---|----------------------------|
| 1. L. E. College, Morbi | 1. Electrical Installation,
Wiring & Jointing (20) | 1. Radio Service Work (20) |
|-------------------------|---|----------------------------|

(B) GOVERNMENT POLYTECHNICS :

- | | | |
|---|--|------------------|
| 2. R. C. Technical Institute,
Ahmadabad-18 | 1. Electrical Installation,
Wiring & Jointing (20) | 1. Printing (20) |
| 3. Govt. Polytechnic for
Girls, Ahmadabad-15 | 1. Batik (20)
2. W. C. G. M. (20)
3. E. & F. W. (20)
4. Flower Arrangement (20) | |

- | | | |
|---|--|------|
| | 5. Toy & Doll Making | (20) |
| | 6. Textile Design | (20) |
| | 7. Electronics Fabrication
and Assembling
Mechanic | (20) |
| 4. Institute of Hotel
Management, Catering and
Nutrition,
Ahmadabad-15 | 1. Food Processing and
Preservation | (20) |
| | 2. Hotel Reception and
Communication | (20) |
| | 3. Commercial Cookery | (20) |
| | 4. Restaurant & Counter
Service | (20) |
| | 5. Bakery and Flour
Confectionery | (20) |
| | 6. Hotel House Keeping
(House operation) | (20) |
| 5. Sir Bhavsinhji
Polytechnic Institute,
Bhavnagar | 1. Maintenance Technician | (20) |
| | 2. Production Technician | (20) |
| | 3. E. I. W. & J. | (20) |

TABLE—9

**CERTIFICATE LEVEL COURSES OFFERED BY ENGINEERING COLLEGES, POLYTECHNICS,
TECHNICAL HIGH SCHOOLS /CENTRES AND OTHER GOVERNMENT AND NON-GOVERNMENT
INSTITUTIONS**

Sr. No.	Name and Address of Institution	Course Offered With (Intake Capacity)		
		T. E. B.		I. T. I.
		Full-Time	Part-Time	
1	2	3	4	5

(A) GOVERNMENT ENGINEERING COLLEGES :

- | | | |
|-------------------------|---|----------------------------|
| 1. L. E. College, Morbi | 1. Electrical Installation,
Wiring & Jointing (20) | 1. Radio Service Work (20) |
|-------------------------|---|----------------------------|

(B) GOVERNMENT POLYTECHNICS :

- | | | |
|---|--|------------------|
| 2. R. C. Technical Institute,
Ahmadabad-18 | 1. Electrical Installation,
Wiring & Jointing (20) | 1. Printing (20) |
| 3. Govt. Polytechnic for
Girls, Ahmadabad-15 | 1. Batik (20)
2. W. C. G. M. (20)
3. E. & F. W. (20)
4. Flower Arrangement (20) | |

- | | | |
|---|--|------|
| | 5. Toy & Doll Making | (20) |
| | 6. Textile Design | (20) |
| | 7. Electronics Fabrication
and Assembling
Mechanic | (20) |
| 4. Institute of Hotel
Management, Catering and
Nutrition,
Ahmadabad-15 | 1. Food Processing and
Preservation | (20) |
| | 2. Hotel Reception and
Communication | (20) |
| | 3. Commercial Cookery | (20) |
| | 4. Restaurant & Counter
Service | (20) |
| | 5. Bakery and Flour
Confectionery | (20) |
| | 6. Hotel House Keeping
(House operation) | (20) |
| 5. Sir Bhavsinhji
Polytechnic Institute,
Bhavnagar | 1. Maintenance Technician | (20) |
| | 2. Production Technician | (20) |
| | 3. E. I. W. & J. | (20) |

1	2	3	4	5
6.	K. D. Polytechnic, Patan	1. Electrical Service Technician (20)		
7.	A. V. Parekh Technical Institute, Rajkot	1. Wireless Telegraphy (20)	1. Radio Service Work (20)	
		2. Cine Projection (20)		
		3. Radio Service Work (20)		
		4. T. V. Service Technician (20)		
		5. Electrical Service Technician (20)		
		6. E. I. W. & J. (20)		
8.	Dr. S. & S. S. Gandhi College of Engineering and Technology, Surat	1. Maintenance Technician (20)		
		2. Production Technician (20)		
9.	Govt. Polytechnic for Girls, Surat	1. Textile Design (20)		
		2. Letter Press Printing Technology (20)		
		3. Photography (10)		

(C) GOVERNMENT TECHNICAL HIGH SCHOOLS :

<p>10. Govt. Technical High School, Gheekanta, Ahmadabad-1</p>	<p>1. E. I. W. & J. (20) 2. Ref. & Air--Conditioning Appliances Mechanic (15)</p>	<p>1. Motor Winding (20)</p>	<p>1. Draftsman Mechanical (32) 2. Ref. & Air-Conditioning (32) 3. Radio & T. V. Mechanic (32) 4. Fitter (32)</p>
<p>11. Govt. Technical High School, C/o R.C.T. Instt., Ahmadabad</p>			<p>1. Draftsman Mechanical (16) 2. Electrician (16) 3. Motor Mechanic (16)</p>
<p>12. Desai K. J. Technical High School, Viramgam, Dist. Ahmadabad</p>	<p>1. E.I.W.& J (20)</p>		<p>1. Electrician (32) 2. Fitter (32) 3. Turner (12) 4. Draftsman Civil (32)</p>
<p>13. K. K. Parekh Technical Institute, Amreli</p>	<p>1. Hand & Power loom weaving (20) 2. M.W.G.M. (25) 3. E.I.W.&J. (20)</p>	<p>1. Radio Service Work (20) 2. Motor Winding (20)</p>	<p>1. Draftsman Mechanical (32) 2. Draftsman Civil (48)</p>
<p>14. Govt. Technical High School, Bharuch</p>	<p>1. E.I.W. & J. (20)</p>		<p>1. Turner (24) 2. Draftsman Civil (16)</p>

1	2	3	4	5
15.	Govt. Technical High School, Bhavnagar	1. E.I.W. & J. (20)	1. Motor Winding (20)	1. Draftsman Mechanical (48)
16.	Govt. Technical High School, Palanpur, Dist. Banas Kantha	1. E.I.W. & J (20)		1. Fitter (48) 2. Draftsman Mechanical (32)
17.	Govt. Technical Institute, Patan-Veraval, Dist. Junagadh	1. E.I.W. & J. (20) 2. Ref. & Air-Conditioning (20)		1. Electrician (16) 2. Ref. & Air-Conditioning (16)
18.	Govt. Technical High School, Junagadh	1. E.I.W. & J. (20)		1. Draftsman Mechanical (32) 2. Draftsman Civil (16)
19.	P. N. Technical High School, Kapadvanj, Dist. Kheda	1. Furniture Making (20) 2. M.W.G.M. (40) 3. Master Tailor (16) 4. E.I.W.& J. (20)		1. Watch & Clock Repairing (32) 2. Radio & T. V. Mechanic (32) 3. Electrician (32) 4. Welder (24) 5. General Mechanic (32) 6. Wireman (16) 7. Fitter (48) 8. Hand Composing (16)

20. R. B. Sheth & P. K. Kotawala Ind-cum-Technical High School, Patan, Dist. Mahesana	1. Turner (10) 2. E.I.W. & J. (20)	1. Fitter (48) 2. Draftsman Mechanical (48)
21. Govt. Vocational Centre, Patan, Dist. Mahesana	1. Electronics Fabrication & Assembling Mechanic (20) 2. Consumers' Electronics (20)	
22. Govt. Technical Institute, Kalol, Dist. Mahesana	1. Civil & Arch. Drafting & Estimating (20) 2. E.I.W. & J. (20) 3. Motor Winding (20)	1. Turner (36) 2. Radio & T.V. Mech. (48) 2. Fitter (48) 4. Stenography (Gujarati) (16) 5. Surveyor (16)
23. Govt. Technical High School, Godhra, Dist. Panch Mahals	1. Motor Winding (20) 2. Auto Engine Mechanic (20) 3. E.I.W. & J. (20)	1. Draftsman Mechanical (48) 2. Fitter (32)

1	2	3	4	5
24. Govt. Technical High School, Dahod, Dist. Panch Mahals	1. E.I.W. & J. (20)		1. Draftsman Civil (32) 2. Ref. & Air-Conditioning (32) 3. Radio & T.V. Mechanic (32) 4. Motor Mechanic (32)	
25. Govt. Technical High School, Dhoraji, Dist. Rajkot	1. E.I.W. & J. (20)		1. Wireman (48) 2. Electrician (32) 3. Draftsman Civil (32)	
26. Govt. Technical Institute, Vyara, Dist. Surat			1. Wireman (48) 2. Welder (12)	
27. Govt. Technical Cum-Com. Centre, Modasa, Dist. Sabar Kantha	1. E.I.W. & J. (20)		1. Draftsman Mechanical (32) 2. Draftsman Civil (16) 3. Stenography (English) (16)	

28. F. S. Parekh Technical High School, Surat	1. E.I.W. & J. (20) 2. Motor Winding(20)	1. Turner (36) 2. Fitter (16) 3. Electrician (16) 4. Ref. & Air- Conditioning (32)
29. Govt. Technical High School, Dhrangadhra, Dist. Surendranagar	1. E.I.W. & J. (20)	1. Wireman (32) 2. Draftsman Civil (16) 3. Draftsman Mechanical (32)
30. Govt. Technical High School, Surendranagar		1. Draftsman Civil (32) 2. Draftsman Mechanical (16)
31. Government Technical High School, Vadodara	1. E.I.W. & J (20) 2. Electronics Fabrication & Assembling Mechanic (20)	1. Motor Winding(20) 1. Ref. & Air- (48) Conditioning 2. Draftsman (48) Civil 3. Fitter (64)
32. Government Vocational Centre, Bhavnagar	1. Electronics Fabrication & Assembling Mechanic (20) 2. Consumers' Electronics (20)	1. Motor Mech. (20)

1	2	3	4	5
33.	Government Technical Institute, Chhota-Udepur, District : Vadodara	1. M.W.G.M. (20) 2. W.C.G.M. (20) 3. E.I.W. & J. (20) 4. Carpentry Trade (10)		1. Draftsman Civil(16) 2. Fitter (16)
34.	Sir Homi Mehta Technical High School and Navsari Technical Institute, Navsari, District : Valsad	1. Motor Mechanic (28) 2. Fitter (28)		1. Wireman (82) 2. Turner (32) 3. Draftsman Civil (32) 4. Draftsman Mechanical (48) 5. Motor Mechanic (16) 6. Welder (12)
35.	Government Technical High School, Valsad	1. E.I.W. & J. (20)		1. Draftsman Mechanical (32)
36.	Weir Industrial Institute, Dharanpur, District-Valsad	1. M.W.G.M. (20) 2. W. C.G.M. (40) 3. E. & F. Work (20) 4. T.T.N.C. (20) 5. Master Tailor (20) 6. Carpentry (10) Practice 7. Furniture (10) Making 8. Fitter (20) 9. Turner (20)		1. Fitter (16) 2. Wireman (16) 3. Turner (12)

(D) NON-GOVERNMENT TECHNICAL HIGH SCHOOLS/INSTTS :

37. C. N. Technical Centre, 1. Electrical
. Ambawadi, Secvice
Ahmadabad-15 Technician (40)
2. E.W.I.&J. (20)
3. Civil & Arch. Draft
ing & Estimating (40)
4. Mech. Drafting
& Estimating (40)
5. Maintenance
Technician (40)
6. Electronics
Fabrication &
Assembling
Mechanic (20)
7. Production
Technician (20)

1	2	3	4	5
38.	Parekh and Mehta High School, Jafrabad, Dist : Amreli	1. Electrical Service Technician (20) 2. Civil & Arch. Drafting and Estimating (20) 3. Mech. Drafting & Estimating (20) 4. Fitter (20) 5. Turner (20) 6. W.C.G.M. (20) 7. E.&F.W. (20) 8. E.I.W. & J. (20)		
39.	V. N. Technical High School, Dharmaj, Dist.-Kheda	1. Mechanical Drafting & Estimating (20) 2. Turner (20) 3. E.I.W.&J. (20)		
40.	Technical High School, Kadi, District: Mahesana	1. Mech. Drafting & Estimating (20) 2. Fitter (20) 3. E.I.W.&J. (20)		

41. Shri R. K. Technical Institute, Vaso,
Taluka : Nadiad,
District : Kheda
1. Electronics (20)
Fabrication &
Assombling
Mechanic
 2. W.C.G.M. (20)
 3. E.I.W.&J. (20)
 4. Fitter (20)
 5. Civil & Arch. (20)
Drafting &
Estimating
 6. Electrical (20)
Service
Technician
 7. E.&F.W. (20)
42. Shri C. L. Patel Technical Institute, Pij,
Taluka:Nadiad,
District : Kheda.
1. Electronics (20)
Fabrication &
Assembling
Mechanic
 2. W.C.G.M. (20)
 3. M.W.G.M. (20)
 4. E.I.W.&J. (20)
 5. Civil & Arch. (20)
Drafting &
Estimating
 6. Fitter (20)
 7. Radio Service (20)
Work

1

2

3

4

5

43. Xevier Technical Institute,
Sevasi,
District : Vadodara
1. Electronics (20)
Fabrication &
Assembling
Mechanic
 2. Civil & Arch. (20)
Drafting &
Estimating
 3. Motor Mech. (20)
 4. Electrical
Service Tech. (20)
 5. Turner (40)
 6. Fitter (40)
 7. Mechanical (20)
Drafting &
Estimating
 8. Consumers' (20)
Electronics
44. Shri Kalupur Co-Operative
Bank Technical Institute,
O/o. P. P. High School's
Campus, Chansma,
Taluka: Patan,
District Mahesana
1. Electronics (20)
Fabrication &
Assembling
Mechanic
 2. E.I.W. & J. (20)

3. Electrical Service Technician (20)
4. Civil and Arch. Drafting and Estimating (20)

(E) OTHER GOVERNMENT INSTITUTES:

45. Gujarat Labour Welfare Board Sanchalit Tailoring Class, Rangbhavan, Out-side Raipur Gate, Ahmadabad
1. W. C.G.M. (40)
2. E. & F.W. (40)
46. Gujarat Labour Welfare Board Sanchalit Tailoring Class, Behind Vikram Mills, Ahmadabad
1. W. C.G.M. (40)
47. Gujarat Labour Welfare Board Sanchalit Tailoring Class, Nr. Balabhai's Chawl, Virangam, Dist :Ahmadabad
1. W. C.G.M. (20)
48. Training-cum-Production Centre, Shreeji Industrial Estate, Nagarvel Hanuman, Amaraiwadi, Ahmadabad
1. M. W.G.M. (20)

1	2	3	4	5
49.	Bavla Nagar Panchayat Sanchalit Sivan Varg, Bavla, Tal. Dholka, Dist.Ahmadabad	1. W. C.G.M. (20)		
50.	Audyogik Kamdar Talim Kendra, (Kalabhavan), Saraspur, Ahmadabad	1. M. W.G.M. (60)		
51.	Akhil Bharatiya Samajik Seva Sangh, Jilla Panchayat Compound, Bhadra, Ahmadabad	1. W. C.G.M. (20)		
52.	Gujarat Labour Welfare Board Sanchalit Tailoring Class, Vithalwadi, Bhavnagar	1. W. C.G.M. (20)		
53.	Gariyadhar Gram Panchayat, Gariyadhar, Dist:Bhavnagar	1. W. C.G.M. (20)		
54.	Government Certified School, Kukarwada Road, Bharuch	1. Handloom Weaving (20) 2. Carpentry Practice (20)		

55. Kutumb & Bal Kalyan Kendra, Bhanvad, District : Jamnagar
1. W.C.G.M. (20)
 2. E.& F.W. (20)
56. Kheda District Welfare Committee, Collector's Office, Kheda
1. W.C.G.M. (20)
57. Gujarat Labour Welfare Board Sanchalit Tailoring Class, Bindu Sarovar Road, Siddhpur, Dist: Mahesana
1. W.C.G.M. (40)
58. Mahesana Nagar Palika Sanchalit Samudaya Vikas Yojana, 2nd Floor, Rangmahal, Mahesana
1. W.C.G.M. (40)
 2. E. & F.M. (20)
59. Gram Panchayat Motipaneli Sanchalit Tailoring Class, Moti Paneli, Dist: Rajkot
1. W.C.G.M. (40)
 2. E. & F.W. (20)
 3. T.T.N.C. (20)
60. Gujarat Labour Welfare Board Sanchalit Tailoring Class, Udyognagar, Rajkot
1. W.C.G.M. (60)
 2. M.W.G.M. (20)
61. Talod Nagar Panchayat, Talod, Tal. Prantij, Dist. Sabar Kantha
1. W.C.G.M. (40)
 2. E. & F.W. (20)

1	2	3	4	5
62.	Gujarat State Transport Corporation, Himmatnagar, Dist. Sabar Kantha	1. W.C.G.M.	(20)	
63	Kutumb & Bal Kalyan Committee, Idar, Dist. Sabar Kantha	1. W.C.G.M.	(20)	
64.	Gujarat Labour Welfare Board Sanchalit Tailoring Class, Rangunwala Sheri, Near Moti Talkies, Begampura, Surat	1. W.C.G.M.	(20)	
65.	Govt. Certified School, Katargam Road, Surat	1. M.W.G.M.	(20)	
66.	Surendranagar Samyukta Nagarpalika, Surendranagar	1. W.C.G.M. 2. E. & F.W.	(20) (20)	
67.	Govt. Certified School, Alembic Road, Vadodara	1. M.W.G.M. 2. Carpentry Practice 3. Turner 4. Fitter 5. E.I.W. & J.	(20) (20) (20) (20) (20)	

- | | |
|--|---|
| 68. Gujarat Labour Welfare Board Sanchalit Tailoring Class, Gandhibhavan, Billimora, Dist : Valsad | 1. W.C.G.M. (40)
2. E. & F.W. (20)
2. T.T.N.C. (20) |
| 69. Police Kalyan Kendra, Swarojgari Talim Kendra, Shahibaug, Ahmadabad | 1. W.C.G.M. (20)
2. E. & F.W. (20)
3. M.W.G.M. (20) |
| 70. Director of Employment & Training Sanchalit Sivanvarg, Limkheda, Dist : Panch Mahals | 1. M.W.G.M. (40) |
| 71. Director of Employment & Training Sanchalit Sivanvaig, Zalod, Dist : Panch Mahals | 1. M.W.G.M. (40) |
| 72. Indian Diamond Institute, Industrial Estate, Katargam, Surat | 1. Artisan Training Course for (200) Diamond Processing |
| 73. Kutumb & Balkalyan Yojana Idar Sanchalit Sivan varg, Kadiyadra, Dist : Sabar Kantha | 1. W.C.G.M. (20) |

1

2

3

4

5

74. Kutumb & Balkalyan
Yojana Idar Sanchalit
Sivan varg, Badoli,
Dist: Sabar Kantha 1. W.C.G.M. (20)
75. Kutumb & Balkalyan
Yojana Sanchalit Idar
Sivan Varg, Virpur,
Dist: Sabar Kantha 1. W.C.G.M. (20)
76. Kutumb & Balkalyan
Yojana Idar Sanchalit
Sivan Varg, Netramali,
Dist. Sabar Kantha 1. W.C.G.M. (20)
77. Director of Employment
& Training Sanchalit
Sivan varg, Vijaynagar,
Dist: Sabar Kantha 1. M.W.G.M. (40)
78. Director of Employment
& Training Sanchalit
Sivan Varg, Khedbrhma,
Dist: Sabar Kantha 1. M.W.G.M. (40)

79. Director of Employment & Training Sanchalit Sivanvarg, Meghraj, Dist. Sabar Kantha 1. M.W.G.M. (20)
80. Madhya Saurashtra Police Head Quarters, Gruh Udyog, Rajkot 1. W.C.G.M. (20)
81. Govt. Audyogik Training Centre, Udyognagar, Road No. 43, Rajkot 1. M.W.G.M. (60)
2. W.C.G.M. (60)
82. Airforce Life Welfare Association. Airforce Station, Jamnagar 1. W.C.G.M. (20)
83. Border Area Project, Dolatpur, Dist. Kachchh 1. W.C.G.M. (20)
84. Border Area Project, Bhachau, Dist. Kachchh 1. W.C.G.M. (20)
85. Border Area Project, Nakhatrana, Dist. Kachchh 1.W.C.G.M. (20)
-

-(E) NON-GOVERNMENT INSTITUTIONS :

Sr. No.	District (No. of Institutions)	Name of TEB Courses with (Intake Capacity)			
		Technical 3		Non-Technical 4	
1	2				
1.	Ahmadabad (155)	1	Radio Service Work (60)	1	W. C.G.M. (3350)
		2	Civil & Archi. Drafting & Estimating (60)	2	M.W.G.M. (1280)
		3	Mechanical Drafting & Estimating (40)	3	T.T.N.C. (260)
		4	Motor Winding (80)	4	E. & F.W. (360)
		5	Flower Arrangement (20)	5	Master Tailor (120)
		6	C.B. & B.B. (100)		
		7	Leather work (60)		
		8	Medical Laboratory Technician (20)		
		9	Batik (20)		
		10	Radiography & Operation Theatre Technician (20)		
		11	Weaving (10)		
		12	Cane work (30)		
		13	C.B. & B.B.* (10)		
		14	Armature Winding* (10)		
		15	General Mechanic* (10)		
		16	Carpentry Trade* (10)		

2. Gandhinagar
(17)

1	Leather Work	(20)	1	W.C.G.M.	(360)
2	Motor Winding	(20)	2	M.W.G.M.	(100)
3	C.B. & B.B.*	(20)	3	T.T.N.C.	(100)
4	Cane Work*	(20)	4.	E & F.W.	(40)
5	Handloom Weaving*	(20)			
6	Carpentry Trade*	(20)			
7	Armature Winding*	(20)			

3. Kheda
(107)

1	Radio Service Work	(100)	1	W.C.G.M.	(180)
2	Motor Winding	(140)	2	M.W.G.M.	(320)
3	Mech. Drafting & Estimating	(160)	3	T.T.N.C.	(40)
4	Turner	(180)	4	E. & F.W.	(220)
5	Fitter	(292)			
6	Electrical Service Technician	(80)			
7	Civil & Arch. Drafting & Estimating	(180)			
8	C.B. & B.B.	(40)			
9	Radio Circuit Wiring	(20)			
10	Carpentry Trade	(20)			
11	Medical Technician	(20)			

4. Vadodara
(13.)

1	Turner	(40)	1	M.W.G.M.	(1920)
2	Fitter	(60)	2	W.C.G.M.	(1220)
4	Motor Winding	(40)	3	E. & F.W.	(220)
4	C.B. & B.B.	(20)	4	T.T.N.C.	(20)
5	Civil & Arch. Drafting & Estimating	(40)			
6	Mechanical Drafting & Estimating	(20)			
7	Foremanship & Supervision	(40)			
8	Electrical Service Technician	(40)			
9	Radio Service Work	(20)			

1	2	3	4
5. Panchmahals (60)	1 Fitter (20) 2 Turner (20) 3 Civil & Arch. Drafting & Estimating (60) 4 Mechanical Drafting & Estimating (20)	1 M.W.G.M. (240) 2 W.C.G.M. (1080) 3 E. & F.W. (240) 4 T.T.N.C. (20)	
6. Bharuch (28)	1 Civil & Arch. Drafting & Estimating (60) 2 Mechanical Drafting & Estimating (40)	1 W.C.G.M. (580) 2 M.W.G.M. (220) 3 T.T.N.C. (20) 4 E. & F.W. (140)	
7. Surat (38)	1 Medical Lab. Technician (40) 2 M.M.F.W.P. (40) 3 M.M.F.W. (40)	1 W.C.G.M. (780) 2 E. & F.W. (500) 3 T.T.N.C. (180)	
8. Valsad (24)	1 Motor Winding (60) 2 C.B. & B.B. (20) 3 Motor Mechanic (20) 4 Textile Design (20)	1 W.C.G.M. (600) 2 E. & F.W. (240) 3 M.W.G.M. (40) 4 T.T.N.C. (200)	
9. Mahesana (138)	1 Turner (40) 2 Fitter (40) 3 Leather work (20) 4 Civil & Arch. Drafting & Estimating (100)	1 W.C.G.M. (3080) 2 E. & F.W. (540) 3 M.W.G.M. (1120) 4 T.T.N.C. (220)	
10. Banas Kantha (23)		1 W.C.G.M. (380) 2 M.W.G.M. (60) 3 E. & F.W. (60)	

11. Sabar Kantha
(69)

1	Motor Winding	(80)	1	W.C.G.M.	(1800)
2	Radio Service Work	(20)	2	M.W.G.M.	(360)
3	Fitter	(20)	3	E. & F.W.	(100)
4	Civil & Arch. Drafting & Estimating	(20)			

12. Rajkot
(31)

1	Radio Service Work	(20)	1	W.C.G.M.	(540)
2	Turner	(40)	2	M.W.G.M.	(20)
3	Carpentry Practice	(20)	3	E. & F.W.	(240)
4	Motor Winding	(20)	4	T.T.N.C.	(100)
5	Leather Work	(20)			
6	Civil & Arch. Drafting & Estimating	(20)			
7	Fitter	(40)			
8	Hand & Powerloom Weaving	(20)			

13. Surendranagar
(16)

1	Civil & Arch. Drafting & Estimating	(20)	1	W.C.G.M.	(380)
2	C.B. & B.B.	(20)	2	M.W.G.M.	(60)
			3	E. & F.W.	(200)
			4	T.T.N.C.	(60)
			5	Master Tailor	(20)

14. Bhavnagar
(17)

1	Civil & Arch. Drafting & Estimating	(20)	1	W.C.G.M.	(300)
2	Radio Service Work	(20)	2	M.W.G.M.	(100)
3	Furniture Making	(20)	3	E. & F.W.	(80)

15. Amreli
(9)

1	Cane Work*	(10)	1	M.W.G.M.	(40)
2	Handloom Weaving*	(10)	2	W.C.G.M.	(180)
3	Armature Winding*	(10)	3	E. & F.W.	(100)
4	C.B. & B.B.*	(10)	4	T.T.N.C.	(40)

1	2	3	4
16.	Junagadh (21)	—	1 W.C.G.M. (520) 2 E. & F.W. (180) 3 T.T.N.C. (20)
17.	Jamnagar (16)	1 C.B. & B.B.* (20) 2 Cane Work * (20) 3 Handloom Weaving * (20)	1 W.C.G.M. (220) 2 M.W.G.M. (20) 3 E. & F.W. (200) 4 T.T.N.C. (120)
18.	Kachchh (10)		1 W.C.G.M. (140) 2 M.W.G.M. (20) 3 E. & F.W. (40)
19.	Dangs (1)	1 Carpentry Trade (40)	

24

(i) Abbreviations Used :

(ii) *Note : Structured for Blind Persons

- (1) W. C. G. M. —Womens' & Childrens' Garments Making
- (2) M. W. G. M. —Mens' & Womens' Garments Making
- (3) E. & F. W. —Embroidery and Fancy Work
- (4) T. T. N. C. —Teachers' Training Course in Needle Crafts
- (5) C. B. & B. B. —Card Board and Book Binding

TABLE—10

DETAILS OF INTAKE AND INSTITUTIONS (DISTRICTWISE) :

Sr. No.	Name of the District	Name of the Disciplines							
		Research		P.G. Degree (M.E.)		P. G. Diploma		First Degree	
		No. of Instts.	Intake	No. of Instts.	Intake	No. of Instts.	Intake	No. of Instts.	Intake
1	2	3	4	5	6	7	8	9	10
1.	Ahmadabad+	2	@	2	53	1	25	3	642
2.	Amreli	—	—	—	—	—	—	—	—
3.	Banas Kantha	—	—	—	—	—	—	—	—
4.	Bharuch +	—	—	—	—	—	—	—	—
5.	Bhavnagar+*	—	—	—	—	—	—	1	140
6.	Dangs	—	—	—	—	—	—	—	—
7.	Gandhinagar	—	—	—	—	—	—	—	—
8.	Jamnagar	—	—	—	—	—	—	—	—

1	2	3	4	5	6	7	8	9	10
9.	Junagadh+	—	—	—	—	—	—	—	—
10.	Kheda+	1	@	1	18	1	10	3	682
11.	Kachchh+.*	—	—	—	—	—	—	—	—
12.	Mahesana*	—	—	—	—	—	—	—	—
13.	Panch Mahals+	—	—	—	—	—	—	—	—
14.	Rajkot+*	1	@	—	—	—	—	2	320
15.	Sabar Kantha	—	—	—	—	—	—	1	70
16.	Surat+	1	@	1	30	—	—	1	360
17.	Surendranagar	—	—	—	—	—	—	—	—
18.	Vadodara+	1	@	1	100	1	5	1	715
19.	Valsad+	—	—	—	—	—	—	—	—
Total :		6	—	5	201	3	40	12	2929

Sr. No.	Name of the District	Name of the Disciplines					
		Post	Diploma	Diploma		Womens' Diploma	
		No. of Instts.	Intake	No. of Instts.	Intake	No. of Instts.	Intake
1	2	11	12	13	14	15	16
1.	Ahmadabad+	3	105	6	1180	1	160**
2.	Anreli	—	—	1	60	—	—
3.	Banas Kantha	—	—	1	60	—	—
4.	Bharuch+	1	10	1	248	—	—
5.	Bhavnagar+*	1	15	1	525	1	75**
6.	Dangs	—	—	—	—	—	—
7.	Gandhinagar	—	—	—	—	—	—
8.	Jamnagar	—	—	1	50	—	—
9.	Junagadh+	—	—	1	178	—	—
10.	Kheda+	1	20	4	542	—	—

1	2	11	12	13	14	15	16
11.	Kachchh+*	—	—	1	315	1	15**
12.	Mahesana*	—	—	1	193	1	45**
13.	Panch Mahals+	—	—	1	255	—	—
14.	Rajkot+*	1	70	4	601	1	65**
15.	Sabar Kantha	—	—	1	60	—	—
16.	Surat+	2	30	4	745	1	155**
17.	Surendranagar	—	—	1	60	—	—
18.	Vadodara+	1	15	2	800	—	—
19.	Valsad+	—	—	1	208	—	—
Total :		10	265	32	6090	6	515**

Sr. No.	Name of the District	Name of the Disciplines			
		S. S. C. (Tech.)		Trade Certificate	
		No. of Instts. 17	Intake 18	No. of Instts. 19	Intake 20
1	2				
1.	Ahmadabad+	5	450	170	9435
2.	Amreli	2	225	7	593
3.	Banas Kantha	1	135	24	860
4.	Bharuch +	1	135	30	1480
5.	Bhavnagar+*	3	270	15	690
6.	Dangs	—	—	1	40
7.	Gandhinagar	—	—	17	960
8.	Jamnagar	2	135	18	900
9.	Junagadh+	2	180	23	1040
10.	Kheda+	7	1170	114	5626
11.	Kachchh +*	1	45	13	320
12.	Mahesana*	3	405	146	7700

1	2	17	18	19	20
13.	Panch Mahals+	2	180	64	3140
14.	Rajkot+*	4	540	38	2090
15.	Sabar Kantha	1	135	80	2860
16.	Surat+	3	495	45	2570
17.	Surendranagar	2	180	19	880
18.	Vadodara+	1	180	139	2350
19.	Valsad+	3	270	28	2159
Total :		43	5130	990	45693

Notes:—(1) @ Research Facilities are available in all the Institutions, where post-graduate education is imparted

(2) + Including Part-Time Courses

(3) ** Including the figures of Diploma at Columns 15 & 16

(4) * Girls wings attached to Polytechnics

TABLE—11

NUMBER OF OPEN MERIT/MERIT-CUM-MEANS SCHOLARSHIPS IN
TECHNICAL EDUCATION DEPARTMENT (COURSEWISE) : 1986-87

Sr. No.	Name of the Course	Scholarships— All-Semesters for Degree Courses (per Semester Rs. 40/-)		Scholarships— All-Semesters for Diploma Courses (per Semester Rs. 35/-)	
		In Govt. Instts.	In Non- Govt. Instts.	In Govt. Instts.	In Non- Govt. Instts.
1	2	3	4	5	6

A—OPEN MERIT SCHOLARSHIPS : (DEGREE/DIPLOMA)

1	Civil Engineering	48	52	96	18
2	Mechanical Engineering	40	52	84	18
3	Electrical Engineering	40	52	78	18
4	Air-conditioning & Refrigeration	—	—	2	—
5	Power Plant Engineering	—	—	2	—
6	Ceramic Technology	—	—	6	—
7	Textile Manufacturing	—	—	16	—
8	Automobile Engineering	—	—	18	—
9	Production Engineering	—	—	4	—
10	Metallurgy	—	—	6	—
11	Electronics	—	—	—	—
12	Man Made Fibres-Fabrics	—	—	6	—
13	Man Made Fibres-Wet Processing	—	—	6	—
14	Textile Technology	8	8	—	6
15	Textile Chemistry	—	—	6	6
16	Printing Technology	—	—	6	—
17	Chemical Engineering	8	18	6	6

	2	3	4	5	6
18 Architecture	—	—	10	—	—
19 Textile Engineering	—	—	8	—	—
20 Sales Management	—	—	—	2	—
21 Plastic Engineering	—	—	—	8	—
22 Electronics & Radio Engineering	—	—	—	6	—
23 Electronics & Sound Engineering	—	—	—	6	—
24 Instrumentation & Control	—	8	—	3	—
25 Television Engineering	—	—	—	3	—
26 Petro-Chemical Technology	—	—	—	—	18
27 Commercial Practice	—	—	—	18	—
Total :	152	206	206	338	90

B—MERIT-CUM-MEANS SCHOLARSHIPS : (FOR GIRLS ONLY)

Sr. No.	Name of the Course	Scholarships— All Semesters for Diploma	
		In Govt. Instts.	In Non- Govt. Instts.
1	2	3	4
1	Costume Design & Dress Making	24	—
2	Commercial Practice	*36	—
3	Architectural Assistantship	*	—
4	Electronics & Radio Engineering	*18	—
5	Commercial Art	*	—
6	Home Science	12	12
7	Garment Making	12	—
8	Radio Technology	*	—
Total :		102	12

Note— *25% of students on roll for both the Girl's Polytechnics, Ahmedabad and Surat.

C—OPEN MERIT SCHOLARSHIPS : (CERTIFICATE COURSES)

1	Electrical Service Technician	8	—
2	Television Service Technician	2	—
3	Wireless Telegraphy	4	—
4	Cine Projection	4	—
5	Maintenance Technician	8	—
6	Production Technician	8	—
7	Cotton Spinning	8	—
8	Cotton Weaving	8	—
9	Horology Technician	4	—
10	Textile Design	4	—
11	Hand & Powerloom Weaving	4	—
12	Motor Mechanic	4	—
13	Fitter	4	—
	General Workshop Practice		
14	Turner j	4	—
15	Civil & Architectural Drafting & Estimating	4	—
	Total	78	—

TABLE—12

HOSTEL FACILITIES AVAILABLE : 1985-86

Sr. No.	Name of Institution	No. of Hostel Blocks	No. of Seats Available
1	2	3	4
1	L. D. College of Engineering, Ahmadabad	6	763
2	L. E. College, Morbi	8	1015
3	S. M. Shah Engineering College, Bhavnagar	*	*
4	Government Engineering College, Modasa	*	*
5	Faculty of Technology & Engineering, M. S. University of Baroda, Vadodara	Common Hostel for All University Students	
6	Birla Vishwakarma Mahavidyalaya, Vallabh-Vidyanagar	3	804
7	S. V. Regional College of Engineering & Technology, Surat	4	708
8	D. D. Institute of Technology, Nadiad	—	—
9	School of Architecture, Ahmadabad	1	100
10	School of Planning, Ahmadabad	1	50
11	R. C. Technical Institute, Ahmadabad	2	100
12	Government Polytechnic for Girls, Ahmadabad	1	100
13	Government Polytechnic, Ahmadabad	1	145
14	Dr. S. & S. S. Gandhi College of Engineering & Technology, Surat	3	234
15	Government Polytechnic, Valsad	5	100
16	Government Polytechnic, Dahod	1	180

1	2	3	4
17	Government Polytechnic, Rajkot	1	100
18	A. V. Parekh Technical Institute, Rajkot	2	168
19	Government Polytechnic, Porbandar	1	100
20	K. J. Polytechnic, Bharuch	1	96
21	K. D. Polytechnic, Patan	1	100
22	Government Polytechnic for Girls, Surat	1	100
23	Sir Bhavsinhji Polytechnic Institute, Bhavnagar	3	420
24	B. & B. Polytechnic, Vallabh-Vidyanagar	2	350
25	T. F. Gandhidham Polytechnic, Adipur	2	180
26	Polytechnic, M. S. University of Baroda, Vadodara	Common Hostel for All University Students	
27	L. M. College of Pharmacy, Ahmadabad	1	222
28	M. N. College of Pharmacy, Khambhat	1	38
29	Food Crafts Institute, Ahmadabad	1	48
30	Government Polytechnic, Himmatnagar	*	*
31	Government Polytechnic, Jamnagar	*	*
32	Government Polytechnic, Anreli	*	*
33	Government Polytechnic, Palanpur	*	*
34	Government Polytechnic, Surendranagar	*	*

Note : * New Institution, hence No Hostel Facilities

APPENDIX—A

ADMISSION PROCEDURE**(I) Engineering Colleges : (Degree Courses)**

(1) L. D. College of Engineering, Ahmadabad (2) L. E. College, Morbi (3) S. M. Shah Engineering College, Bhavnagar (4) Government Engineering College, Modasa (5) S. V. Regional College of Engineering & Technology, Surat (only 50% State Quota Seats) and (6) Faculty of Technology & Engineering, M. S. University of Baroda, Vadodara are covered under Common Pool Admission. The admissions on the available seats of these Engineering Colleges being regulated by the Admission Committee under the Directorate of Technical Education. Hostel Blocks, 1st Floor, Government Polytechnic Compound, Ambawadi, Ahmadabad-380 015. The Application forms and prospectus are normally made available from the above mentioned Engineering Colleges on payment of prescribed price in cash or by money order. The application forms duly filled in by the candidates are to be sent in person or by Registered Post A/D to the Chairman, Admission Committee at the address notified every year, within 10 days after the date of declaration of results of Std. XII, Higher Secondary Science Stream Examination of the Gujarat Higher Secondary Certificate Board of Gujarat State.

The admissions are regulated strictly on merits on the basis of marks obtained by the candidates at the qualifying examination and in accordance with the rules and procedure laid down by the Government from time to time.

The remaining Engineering Colleges, *viz.* (1) Birla Vishwakarma Mahavidyalaya (Engineering), Vallabh Vidyanagar and (2) Dharmsinh Desai Institute of Technology, Nadiad have not joined the Common Pool Admission. These Institutions regulate the degree admissions directly on merit. The application form and prospectus for these Engineering Colleges can be had directly from the Principals of these Engineering Colleges.

Part-Time Degree

The candidates who have passed the Final Year Examination of corresponding Diploma Courses from the Technical Examinations Board or its equivalent examination with atleast 45% marks with two years experience in industry after passing Final Year Diploma Examination are considered eligible for admission on merits.

The candidates who have passed Final Year Diploma Examination from Outside Gujarat State and residing or serving in Gujarat State for atleast Five years are also considered eligible for admission provided they obtain necessary eligibility certificate for admission from concerned Universities.

The admissions are processed by the Principal of the concerned Institutions, by announcing the dates for application forms.

The admissions are given on merit only.

(II) POLYTECHNICS : (DIPLOMA COURSES)

The admissions to the Polytechnics are being regulated by the Principals of the concerned Polytechnics. The Government has decided to have common application forms for admission to diploma courses for all the Government Polytechnics in Gujarat State from 1983-84. Therefore, the candidates can obtain the application form(s) from any of the Polytechnics by payment of the cost of application form (in cash or by money order). The application forms duly filled in by the candidates are to be sent to the Principal of the respective Polytechnic within ten days after the date of declaration of results of Std. X; S.S.C. Examination of Science Stream of Gujarat Secondary Board of Education. Separate application form for admission to each Polytechnic is a must.

The admissions are regulated strictly on merits on the basis of marks obtained by the candidates at the qualifying examination and in accordance with the rules and procedure laid down by the Government from time to time.

Note : It is under active consideration of the State Government to establish Centralised Admission System for Polytechnics for 1987.

PART-TIME DIPLOMA :

The candidate at the time of admission as also during the course of study should be in industry as a technical hand/Craftsman.

The admissions are granted by the Principals of the respective Polytechnics for which the application forms can be had from them on payment of cost of the application form.

APPENDIX—B

INFORMATION REGARDING ENGINEERING DEGREE COURSES AVAILABLE
IN INSTITUTIONS OUT-SIDE THE STATE FOR STUDENTS OF GUJARAT

A. Admission on Merit on Reserved Seats for the Students of Gujarat State :

Sr. No.	Name and Address of Institute	Name of Course Offered	Duration of Course	Reserved Seats	Entrance Qualifications	Remarks
1	2	3	4	5	6	7
1.	Indian School of Mines and Applied Geology, Dhanbad, (Bihar) 826 004	B. TECH. (Petroleum Engg. & Mining Engg.)	4 Years	2	Higher Secondary (Science Stream) Passed	Application should be sent to the Directorate of Technical Education, Gujarat State, Gandhinagar-10
2.	Regional Engg. College at	*Civil Engg.	4 Years	(1) 7 (2) 5 (3) 4 (4) 6	} } } }	Application should be sent to the Principal. S. V. Regional College of Engg. & Technology, Surat 395 007
1.	Allahabad(U.P.)211 004	*Mech. Engg.				
2.	Srinagar (J.&K.) 190 006	*Elect. Engg.				
3.	Calicut (Kerala) 673 601	*Electronics/ Tele-Communication				
3.	Calicut (Kerala) 673 601	*Chemical Engg.				
4.	Kurukshetra(Hariayana). 132 119	*Industrial Engg.				
		*Metallurgy				
		*Architectural Engg.				
		*Production Engg.				

5. Roorkeela (Orissa) 789 008	} 4 Years	(5)	5	} Higher Secondary (Science Stream) Passed	} Application should be sent to the Principal, S. V. R. C. E., Surat			
6. Durgapur (West Bengal) 713 209		*List of	(6)			7		
7. Warangal (A.P.) 506 004		Courses as shown	(7)			5		
8. Nagpur (Maharashtra) 440 011		against	(8)			6		
9. Jaipur (Rajasthan) 302 017		Sr. No. 2	(9)			4		
10. Jamshedpur (Bihar) 831 014		in col-3	(10)			4		
11. Bhopal (M.P.) 462 007			(11)			6		
12. Silchar (Assam) 788 010			(12)			5		
13. Surathkal(Karnataka) 574 157			(13)			5		
14. Trichinopalli (Tamil Nadu) 620 015			(14)			5		
3. Government Mining Institute, Rudrampur, Kothagudam(A.P.) 507 119		Diploma in Mining Engg.	3 Years			2	S.S.C. passed with Higher Mathematics, Science and English.	Application to be sent to the Head of Instt.

Note :—(i) The seats mentioned above are likely to be changed as allocation of seats are made by the Govt. of India every year.

*(ii) The Regional Engineering Colleges Shown above (Sr. No. 1 to 14) offer the Selected Courses from the list detailed in Column-3.

B—ADMISSION BASED ON COMPETITIVE TEST (ALL INDIA LEVEL):

Sr. No.	Name and Address of Institution	Duration of Courses	Entrance Qualifications	Name of Degree Engg.Course	Remarks
1	2	3	4	5	6
1.	Indian Institute of Technology, Bombay—400 076	4 Years	H.Sc. (Science Stream)	Aeronautical Engg. Chemical Engg. Computer Science Civil Engg. Mech. Engg. Elec. Engg. Metallurgical Engg.	Form of Application to be obtained from the Chairman, Admission Committee, I. I. T. Powai, Bombay 400 076. in January and Submitted
2.	Indian Institute of Technology, New Delhi-110016	4 Years	„	Aero. Engg. Civil Engg. Mech. Engg. Elect. Engg. Chemical Engg. Textile Technology	—
3.	Indian Institute of Technology, Kanpur—208 016	4 Years	„	Aeronautical Engg. Civil Engg. Mech. Engg. Elect. Engg. Computer Science Metallurgical Engg.	

4. Indian Institute of Technology, 4 Years
Kharagpur—721 302
(West Bengal)

H. Sc.
(Science
Stream)
Pass

Aeronautical Engg.
Agricultural Engg.
Civil Engg.
Mechanical Engg.
Electrical Engg.
Chemical Engg.
Electrical & Electronics
Engg.,
Metallurgical Engg.,
Mining Engg.
Naval Architecture,
Instrumentation Engg.
Computer Sc. & Engg.,
Architecture

5 Years ,,

5. Indian Institute of Technology, 4 Years
Madras—600 036

,,

Aeronautical Engg.
Civil Engg.
Mech. Engg.
Electl. Engg.
Chemical Engg.
Electronics and E.C.
Engg.
Metallurgical Engg.
Naval Architecture
Computer Science

9.	Birla Institute of Technology and Science, Pilani, (Rajsthan)—333 031	4 Years	Higher Secondary (Science Stream) Pass.	Civil Engg. Mech. Engg. Electrical Engg. Chemical Engg. Pharmacy	Advertisement during the month of May and Application to be submitted in June.
10.	Zakir Hussain Engg. College, Aligarh Muslim University, Aligarh (U. P.)—202 001	5 Years	„	Civil Engg. 20 Mech. Engg. 40 Elect. Engg. 40	Request for application in the month of May/June Last date in July .
11.	Birla Institute of Technology, Ranchi—835 215.(Bihar)	4 Years	„	Civil Engg. 60 Electrical Engg. 60 Mech. Engg. 90 Tele-Communication 30 Production Engg. 30 Computer Science 20	Apply in January and February
12.	School of Planning and Architecture, Delhi—110 002	5 Years	„	B. Architecture 44	Apply in June
13.	Director of Marine Engg. Training , Calcutta	4 Years	„	Marine Engg. Officers' Training	Apply in March. Test held during May.
14.	Trainingship "Rajendra", Bombay	11 Months	„	Navigation Officers' Training	Prospectus and Application can be had from the Directorate General of Shipping, Jahaj Bhavan, Valchand Hirachand Road, Bombay—400 048 during February/ March

(C) Admission on Limited Seats :

Sr. No.	Name and Address of the Institution	Name of the Course	Open Seats	Remarks
1	2	3	4	5
1	Department of Chemical Technology, Punjab University, Chandigarh—160 014	B. E. (Chemical)	60 —	Detailed information on these courses can be had from the respective Institutions
2	Department of Chemical Technology, University of Bombay, Matunga, Bombay—400 019	B. E. (Chemical)	18(M)	"
3	Department of Pharmaceutical Science, Punjab University, Chandigarh—160 014	B.Pharm.	—	"
4	Delhi College of Engineering, Delhi—110 006	Civil Engg., Mechanical Engineering, Electrical & Engineering, Electronics & Communica- tion Engineering	60 20%(M) 119 70 40	"
5	Technological Institute of Textiles, Bhivani, Hariyana—125 022	Textile Engineering/ Technology	10 —(T) 70	"

6 Faculty of Engineering, Jodhpur University, Jodhpur—342001	Civil Engineering, Mechanical Engineering, Mining Engineering, Electronics & Communi- cation Engineering and Tele-Communication	(M)	Detailed information on these courses can be had from the res- pective Institutions.
7 Madan Mohan Malaviya Engineering College, Gorakhpur, Uttar Pradesh—273 010	Civil Engineering, Mechanical Engg., Electrical Engg., Electronics & Communications	S(T)	
8 Government Central Institute, Kanpur, Uttar Pradesh—208 001	B.E. (Textile)		
9 College of Technology, G. B. Pant University, Pantnagar (U.P.)—263 145	Agriculture, 45 Civil Engineering, 44 Mechanical Engineering 63 Electrical Engineering 51 Production Engineering 18 Electronics & Tele- Communciation 18	—(T)	
10 College of Leather Technology, Canal South Road. Calcutta (W.B.)—700015	B.E. (Leather Technology)	15	—(T)

1	2	3	4	5	
11	Allahabad Agricultural Institute, Nainee, Allahabad (U.P.), P.O. Agricultural Institute -211 007	B.Tech. (Agriculture)	40	50%(T)	Detailed information on these courses can be had from the res- pective Institutions.
12	Assam Engineering College, Gauhati (Assam)	Civil Engineering, Mechanical Engineering, Electrical Engineering & Chemical Engineering		20%(T)	„
13	Bhagalpur College of Engineering, Bhagalpur, (Bihar), Sabour—813 210	Civil Engineering, Mechanical Engineering & Electircal Engineering	33 35 44	..	
14	Bihar Institute of Technology, Sindri, (Bihar) (Dhandbad)	Civil Engg., Mechanical Engg., Electrical Engg., Electronics & Communi- cation, Metallurgy and Mining	59 60 50 30 20	..	
15	Muzaffarpur Institute of Technology, Muzaffarpur (Bihar)	Civil Engg., Mechanical Engg., & Electrical Engg.	60 55 45		

16	College of Agricultural Engineering & Technology, Bhuvaneshwar (Orissa)—751 003	B.Sc. (Agriculture Engg. & Tech.)	40	..	Detailed information on these courses can be had from the respective institutions.
17	Bengal Engineering College, P.O. Botanical Garden Hawrah (West Bengal)—711 103	Civil Engg., Mechanical Engg., Electrical Engg., Tele-Communication Engg., Electronics & Communications., Mining Engg., Metallurgy, Architecture & Computer Science	90 60 60 30 30 30 30 30 15	—(T)	
18	College of Textile Technology, 12, Willian Carly Road. Serampur—712 201, Dist. Hooglee, (West Bengal)	B.Sc. (Tech.) (Textile)	33	—(T)	..
19	College of Textile Technology Murshidabad, Barhapur—742 101 (West Bengal)	B.Sc. (Tech.) Textile Technology	30	—(T)	..
20	College of Ceramic Technology, Calcutta (West Bengal)—700 010	B.E. (Ceramic Technology)	30	20%(T)	..
21	Jalpai Guri Engg. College, Jalpai Guri (West Bengal)	Civil Engg., Mechanical Engineering & Electrical Engineering		—(T)	..

1	2	3	4	5
22	Faculty of Engineering & Technology, Jadavpur University, Calcutta—700 032 (West Bengal)	Civil Engineering, Mechanical Engineering, Electrical Engineering, Television Communication Engineering, Chemical Engineering, Metallurgy, Architecture & Pharmacy	—(T)	Detailed information on these courses can be had from the respective institutions.
23	Faculty of Engineering Technology, Annamalai University, Annamalai Nagar, Tamil-Nadu—608 002	Civil Engineering, 60 Mechanical Engineering, 60 Electrical Engineering, 60 Temple Arch., 10 Chemical Engineering, 65 Production Engineering 33	—(T)	„
24	Hacort Butlar Institute of Technology, Kanpur—208 002 (Uttar Pradesh)	Civil Engg., 45 Mechanical Engg., 45 Electrical Engg., 45 Chemical Engg., 45 Leather Tech. and 20 Computer Science 30	—(T)	„
25	College of Engineering, Kakinada—533 993 (Andhra Pradesh)	Civil Engg., 60 Mechanical Engg., 45 Electronics & Communication Engg. and 40 Electrical & Electronics 40	8(T)	„

26	College of Fine Arts & Architecture, Maha Vir Marg, Hyderabad—500 488 (Andhra Pradesh)	B.Arch. (Architecture)	30	4(T)	Detailed information on these courses can be had from the res- pective institutions.
27	V. R. Siddharth Engineering College, Vijaywada—524 006 (Andhra Pradesh)	Civil Engineering, Mechanical Engineering, Electronics & Communi- cation and Electronics & Electrical	70 80 50 40	—(M)	„
28	S. V. University, College of Engineering, Tirupati (Andhra Pradesh)	Civil Engineering, Mechanical Engineering, Chemical Engineering, Electronics & Commu- nication Engg., & Electrical Engg.	60 40 15 20 20	1(T)	„
29	Chaitanya Bharati Institute of Technology, Hyderabad, (Andhra Pradesh)—500171	Civil Engg., Mechanical Engineering, Electrical Engineering, Electronics & Communi- cation	80 40 30 30	—(T)	„
30	Jorhat Engineering College, Jorhat—785 007 (Assam)	Civil Engg., Mechanical Engg., and Electrical Engg.	60 60 60	20%(T)	„
31	University College, Sambalpur University, Burla, Sambalpur—788 018	Civil Engg., Mechanical Engg., Electrical Engg., and Electronics & Communication	65 65 65 30	(T)5%	„

1	2	3	4	5
32	Sir J. J. College of Architecture, 7813, Dr. D. N. Road, Bombay, (Maharashtra)—400 001	B.E. (Architecture)	70 15(M)	Detailed information on these courses can be had from the respective institutions.
33	Guru Nanak Engineering College, Ludhiana—141 005, (Punjab)	Civil Engg., Mechanical Engineering, Electrical Engg. and Electronics & Communication	60 5(M) 60 45 15	„
34	College of Agriculture, Punjab Agricultural University, Ludhiana,—141 006 (Punjab)	B.E. (Agricultural Engg.,)	50 20%(M)	„
35	Thapar Institute of Engineerig & Technology, Patiala—147 001 (Punjab)	Civil Engg., Mechanical Engineering, Electrical Engg., Electronics & Communi- cation & Instrumentation	60 10(M) 45 30 15 15	„
36	College of Technology & Agricultural Engg., Udaipur—313 001 (Rajsthan)	B..E (Agricultural Engg.)	55 15(M)	„

APPENDIX--C

RATES OF CONCESSIONS, MAINTENANCE ALLOWANCE TO B. C. AND OTHER SPECIAL CATEGORIES OF STUDENTS IN ENGINEERING COLLEGES, POLYTECHNICS AND OTHER INSTITUTIONS

Sr. No.	Special Facilities	Concessions Applicable in	
		Degree Courses	Diploma Courses
1	2	3	4
A—DEGREE AND DIPLOMA COURSES :			
1. Entrance Qualification			
	(a) Scheduled Castes	Higher Secondary (Science Stream) Minimum 45% in Theory & 40% in Practical as against the general requirements of 55% in Theory & 50% in Practical in qualifying Examination.	S.S.C. with Science & Mathematics
	(b) Scheduled Tribes		
	(c) S. & E. B. C.	Minimum 5% marks less than the last percentage at which admission is offered in the general category	As shown in column No. 3 against (C)
2. Seats Reserved for Admission			
	(a) Scheduled Castes	7%	7%
	(b) Scheduled Tribes including N.T., & D.N.T.	13%	14%
	(c) S. & E.B.C.	10%	10%
	(d) Physically handicapped	3%	3%

(e) Sons & Daughters of Servicemen & Armed Forces Personnel	1%	1%
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(f) Central School Students	(Degree Courses only in specified proportion)	Nil
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3 *Seats Reserved in the Hostels*

(a) Scheduled Castes	7%	7%
(b) Scheduled Tribes including N.T. & D.N.T.	13%	14%
(c) S. & E.B.C.	10%	10%

4. *Maintenance Allowance for Hostel'ers*

(a) Scheduled Castes (for boys)		
I Year	Rs. 185/- p.m.	Rs. 90/- p.m.
II Year onwards	Rs. 185/- p.m.	Rs. 90/- p.m.
(b) Scheduled Castes (for girls)		
I Year	Rs. 195/- p.m.	Rs. 100/- p.m.
II Year onwards	Rs. 200/- p.m.	Rs. 110/- p.m.
(c) Scheduled Tribes including N.T. & D.N.T. (for boys)		
I Year	Rs. 185/- p.m.	Rs. 90/- p.m.
II Year onwards	Rs. 185/- p.m.	Rs. 95/- p.m.

1	2	3	4
(d) Scheduled Tribes including N.T. & D.N.T. (for girls)	I Year II Year onwards	Rs. 195/- p.m. Rs. 200/- p.m.	Rs. 100/- p.m. Rs. 110/- p.m.
(e) S. & E. B. C. (for boys) I Year		Rs. 175/- p.m.	Rs. 75/- p.m.
(f) S. & E. B. C. (for girls) I Year		Rs. 185/- p.m.	Rs. 85/- p.m.
5. Special Books Service Centres for Scheduled Castes & Scheduled Tribes		Text books provided free of charge from Book Banks	Text books provided free of charge from Book Banks
6. Special Book Service Centres in Engineering Colleges & Polytechnics		Text books are loaned at a nominal deposit of 5% of the cost of book	Text books are loaned at a nominal deposit of 5% of the cost of book
7. Special Coaching Class provided for			
(a) Scheduled Castes		Yes +	Yes +
(b) Scheduled Tribes including N.T., & D.N.T.		Yes +	Yes +

Sr. No.	Special Facilities	Concessions Applicable in		
		Degree Courses	Diploma Courses	S.S.C. (Tech.)
1	2	3	4	5
B. DEGREE, DIPLOMA, S.S.C. (TECH.) ,CERTIFICATE COURSES :				
1. All kinds of fees including hostel rent				
(a)	Scheduled Castes	Borne by Govt.	Borne by Govt.	Borne by Govt.
(b)	Scheduled Tribes including N. T. & D. N. T.	„	„	„
(c)	S. & E. B. C.	„	„	„
2. Maintenance Allowance for day students				
(a)	Scheduled Castes (for boys)			
	I Year	Rs. 75/-p.m.	Rs. 60/-p.m.	Rs. 115/-p.m.
	II Year onwards	Rs. 75/-p.m.	Rs. 65/-p.m.	Rs. 115/-p.m.
(b)	Scheduled Castes (for girls)			
	I Year	Rs. 85/-p.m.	Rs. 70/-p.m.	Rs. 115/-p.m.
	II Year onwards	Rs. 90/-p.m.	Rs. 80/-p.m.	Rs. 115/-p.m.

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1	2	3	4	5
(c) Scheduled Tribes including N.T. & D.N.T. (for boys)				
	I Year	Rs. 75/-p.m.	Rs. 60/-p.m.	Rs. 115/-p.m.
	II Year onwards	Rs. 75/-p.m.	Rs. 65/-p.m.	Rs. 115/-p.m.
(d) Scheduled Tribes including N.T. & D.N.T. (for girls)				
	I Year	Rs. 85/-p.m.	Rs. 70/-p.m.	Rs. 115/-p.m.
	II Year onwards	Rs. 90/-p.m.	Rs. 80/-p.m.	Rs. 115/-p.m.
(e) S. & E. B. C. (for boys)				
	I Year	*Rs. 65/-p.m.	Rs. 50/-p.m.	Rs. 115/-p.m.
	II Year onwards	Rs. 65/-p.m.	Rs. 50/-p.m.	Rs. 115/-p.m.
(f) S. & E. B. C. (for girls)				
	I year	*Rs. 75/-p.m.	Rs. 60/-p.m.	Rs. 115/-p.m.
	II Year onwards	*Rs. 75/-p.m.	Rs. 60/-p.m.	Rs. 115/-p.m.

Remarks ---The Concession is granted provided the annual income of the parents does not exceed the limits prescribed by Government from time to time.

Sources ---Bulletin of "Facilities Etc. Provided to S.C./S.T./S.&E. B.C. person" "Published by the Director of Social Welfare, Gandhinagar."