

1 TECHNICAL EDUCATION AT A GLANCE

1.1 DEVELOPMENT OF TECHNICAL EDUCATION

Formation of State of Maharashtra in 1959 opened a new chapter in Technical Education and the activities of the Directorate increased manifold. With industrial development, the need of technical manpower grew to a large extent. To cater to this need, new industrial training institutes, polytechnics and engineering colleges were started. These institutes produced skilled workers, artisans, and technically qualified supervisors. shop floor and design engineers. By 1978, the number of degree level as well as diploma level institutes were established. Similarly the Industrial Training Institutes and Technical High Schools also increased in large numbers. By 1987 almost every district, had a Government Polytechnic

However, the demand for the Engineering Degree and Diploma Courses was on the rise. Many deserving students were unable to get admission to these courses due to limited seats available in Government and Government Aided Institutes. Therefore, by a pragmatic view to give opportunities to the aspirant students, the government decided to grant permission to start non-aided Engineering Colleges and Polytechnics. Similarly, new Industrial Training Institutes and Technical High School Centres were also started.

1.2 EXPANSION OF TECHNICAL EDUCATION

Due to the very large growth and in order to facilitate monitoring and development of Technical Institutes and courses, the Directorate of Technical Education was bifurcated. This new Directorate was given the charge of Industrial Training Institutes, Technical High Schools and Certificate Course Institutions in the State. The Directorate of Technical Education was given the charge of Degree and Diploma level Institutions in Engineering and Technology, Architecture, Pharmacy, Allied Technologies like Hotel Management and Catering Technology, Printing Technology, Surface Coating Technology, Leather Technology, Sugar Technology, Textile technology, Computer technology etc. The Directorate was also entrusted with the monitoring and control of Management Institutions imparting Degree and Diploma level training in various branches of management.

1.3 PRESENT STATUS

The following table gives an idea about development of technical education since 1978 in terms of type of course, Number of Institutes and the sanctioned intake:

Sr.No.	Type of Course	Details of Growth		
		Year of Reference	No. of Institutes	Sanctioned Intake
1	Post Graduate Degree	1978	09	584
	Course in Engineering and Technology	1988	11	700
		1995	14	750

2	Degree in Engineering and Technology	1978	16	2642
		1988	76	14275
		1995	94	22740
		1999	125	33354
		2008	221	71691
		2009	264	85216
3	Diploma Level (including)	1978	50	6373
		2008	227	66470
	Post Diploma correspondence	1988	255	31410
	Course	1995	385	39000

Details regarding intake of other courses as on March 2000 are as below :-

Sr. No.	Type of Courses	Number of Institutes	Sanctioned Intake
1	Degree in Architecture	28	1117
2	Degree in Pharmacy	31	1428
3	Degree in Hotel Mgt.	01	80
4	Post H.S.C. Diploma in Electronics and Radio Engineering	04	240
5	Post H.S.C. Diploma in Hotel Management	11	640
6	Part-time Degree in Engineering	02	480
7	Part Diploma in Engineering	05	920
8	Diploma in Engineering by correspondence	01	400

The advancement of technology and development in new areas of technology has made it necessary to start new courses in the new and emerging areas to cater the needs of the industry and society. Therefore the permission to the non-aided institutes was granted for courses in new and emerging non-conventional courses. Thus, new degree and diploma courses in Industrial Electronics, Computer Technology, Chemical Engineering, Bio-medical Engineering, Construction Technology, and Production Engineering are started.

The Diploma courses such as Packaging Technology, Man-Made Textile, Fibre Optics, Information Technology, Telematics, Foundry Technology, Tool Design, Plastics and Polymer Engg., etc., are also started in Government institutions under World Bank Assisted Project during 1993-94.

Various Offices of Technical Education

1.5 **DIRECTORATE OF INDUSTRY-INSTITUTE CO-ORDINATION (DIIC)**

Directorate of Industry-institute Co-ordination was established in 1996 MHRD World Bank Project has been started to look after the quality improvement of the faculty, staff as well as the students and the efficiency enhancement of Technical Education system (TES) in total. This is a separate Directorate to manage the externally funded projects for total quality management (TQM) of TES of Maharashtra.

1.6 **BOARD OF TECHNICAL EDUCATION**

Diploma Courses in **Engineering and Technology were first run by the** Institutions like Victoria Jubilee Technical Institution, Mumbai; Government Polytechnic Pune, Cusrow Wadia Institute of Technology, Pune etc. Initially, the examinations were conducted through the Board of Examiners (BOE) appointed by the committee of Technical and Institutional Training of the old Mumbai, province. After independence with increased stress on industrial development, a separate Directorate of Technical Education was set up by the Government in 1948 to organise and co-ordinate technical education activities at all levels. The Diploma examinations in Engineering and Technology were conducted through the Directorate of Technical Education up to 1963.

With increase in the number of institutions, courses and students admitted to various diploma courses, a need to have a separate body to conduct the examinations of these courses was felt and thus in August 1963, a separate Board of Technical Examinations for the state was established. Now this Board, named as Maharashtra State Board of Technical Examination (MSBTE), has given an autonomous status, since 2000.

2 INSTITUTE-LINKAGE INFORMATION

The Directorate of Technical Education (DTE) and the Directorate of Industry Institute Co-ordination (DIIC) are linked with many Organisations/ Institutions for the purpose of implementation of various projects. The major organisations with which the DTEE and DIIC are linked are namely,

- All India Council for Technical Education (AICTE)
- Indian Society for Technical Education (ISTE)
- Technical Teachers' Training Institute (TTTI), Western Region
- Confederation of Indian Industries (CII), Western Region
- The Institution of Engineers (INDIA)

2.1 ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (AICTE)

All India Council for Technical Education (AICTE) is a Statutory body of Government of India established by an Act of Parliament of India and has been entrusted with the responsibility of planning, promoting and regulating Technical Education system (TES) throughout the country.

The major activities of AICTE as **related to Technical Education in Maharashtra** state are as follows :-

(i) Giving approval for starting new professional colleges/ Institutes :

AICTE is the statutory body of Government of India (GOI); the approval of which is mandatory for new professional colleges/institutes (i.e. Engineering Colleges, Architecture College, Pharmacy Colleges, Polytechnics, Management Institutes running, P.G. degree in Management). Every year AICTE calls applications from Institutes, Trusts/ Organisations interested in starting new professional colleges/institutes, for starting new courses in existing colleges, altering sanctioned intake of existing courses etc.

(ii) For promotion of general and need based research in identified thrust areas in Technical Education, AICTE sponsors projects for Technical Institutes, University. Departments, Deemed Universities under the project heads; namely,

- (i) Thrust, Area Programmes in Technical Education (TAPTE)
- (ii) Modernization and removal of obsolescence (MODROBS)
- (iii) Research and Development (R & D)

AICTE invites applications for projects under above heads every year.

AICTE head quarter is at New Delhi in Indira Gandhi Sports Complex, I.P Estate, New Delhi-110002. The Regional offices of AICTE are located at Chandigarh, Kanpur, Bhopal, Calcutta, Mumbai, Bangalore and Chennai.

The Regional Office of AICTE for Western Region is located at Mumbai in Industrial Assurance Building Second Floor, Opposite Churchgate Railway Station, Mumbai-400 020.

The application forms for proposals regarding courses, colleges and projects can be procured from regional offices of AICTE for Western Region. All additional information related to AICTE can be procured from regional offices.

AICTE frames the standard norms for Technical Education Institutes regarding intra-structure, staff, equipments and laboratories etc.

2.2 INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE)

Indian Society for Technical Education (ISTE) was founded in 1967. The society is involved in conducting short-term courses, workshops and summer and winter schools. **Symposiums** are aimed at upgrading the expertise and capability of teaching faculty from Engineering colleges and polytechnics.

Individual teachers from Engg. colleges and polytechnics can secure Annual Life Membership of ISTE. Having a membership of ISTE is mandatory for taking part in ISTE conducted courses.

Institutions (Engg. colleges and polytechnics) can secure institute membership of ISTE which enables them to conduct summer / winter school programmes with financial aid from ISTE.

ISTE Headquarter is located in IIT Campus, New Delhi-110016. ISTE publishes bi-monthly News Letter which covers the entire activities of ISTE. ISTE also publishes ISTE Hand-Book every year which covers details about all Technical Institutes in India and the calendar of **programmes** conducted by ISTE. ISTE programmes are sponsored by AICTE.

2.3 TECHNICAL TEACHERS' TRAINING INSTITUTE (TTTI)

TTTI is resource centre for (i) Staff training (ii) Consultancy and (iii) Technical Education project implementation. At TTTI the post Graduate courses namely Education Technology and Education Management are run at Bhopal. The TTTI has Regional offices at Bhopal, Chandigarh, Calcutta and Chennai. The Western Region head quarter is at Bhopal with Goa, Maharashtra, Madhya Pradesh and Gujrat are under its jurisdiction. The Western Region head quarter of TTTI is located at Shamla Hills, Bhopal (M.P.) - 460 002. The extension centre for Maharashtra is located at Govt-Polytechnic for Distance Learning Campus, Bahirat Patil Chowk, Pune-411016.

TTTI publishes annual calendar of its training programmes, with the help of state Staff Development Cells (SDCs). The programmes of TTTI are under heads, namely,

Management Development Programmes for senior administrators, Principals and Head of Departments (HODs).

Professional skill development programmes for teachers on Curriculum Development, LRDC,LRUC, 111, since 1994, under World Bank Projects (WBC).

Teacher's training programmes like Induction, Industrial Training, Post Graduation and Content Updation.

Short courses , workshops pertaining to various areas of Education and Masters degree in Manufacturing are running at Chandigarth Engineering Technology.

Other staff development programmes like librarians, skilled artisans, Lab. assistants, and clerical staff: etc. are also run by TTTI staff.

TTTI also takes up projects on autonomy for Engineering Colleges/ Polytechnics, effective utilisation of equipments purchased under World Bank aid, LRDC etc and as per time demands.

2.4 CONFEDERATION OF INDIAN INDUSTRIES (CII)

The Directorate of Technical Education and the Directorate of Industry Institute Co-ordination have a Memorandum of Understanding (MOU) with CII (Western Region). As per the MOU, CII and the Directorates share the common objectives of assessment of technical manpower needs, need-based courses, training programmes, curriculum development, III programmes etc.

2.5 THE INSTIUTION OF ENGINEERS (INDIA) MAHARASHTRA STATE CENTRE, ESTABLISHMENT - 1921

Information about Institution of Engineers (India) is available at Maharashtra State Centre, 15, Haji Ali Park, Mahalaxmi, Mumbai - 34 (Ph. 4923650, 49412943). The Head quarter of the Institution of Engineers (India) is at 8, Gokhale Road, Calcutta- 700 020.

The various Local centres are in function at Ahamadnagar, Aurangabad, Dekapur, Goa, Kolhapur, Nagpur, Nashik and Pune in Maharashtra

3 ACADEMIC INFORMATION

3.1 ACADEMIC CALENDER

Academic calendar of the institute will be declared by BTE or institute at the beginning of the term of the year. Accordingly each staff has to prepare his own academic calendar and submit to the Principal. It contains.

- Start of the term
- End of the term
- First / Second test
- Start of Theory/Practical examination
- Declaration of result etc.

3.2 DIPLOMA AND DEGREE COURSES ON SANDWICH PATTERN

To enhance the Industry Institutes Interaction (III) and to expose the students to industrial working and to give them up to date idea about the recent trends in technology, sandwich pattern courses, which include an industrial training for two terms, were started both at Degree and Diploma level.

ACADEMIC AUTONOMY TO INSTITUTES

Some Polytechnics are granted academic autonomy to give freedom to their own courses relevant to the needs in the area and to develop centres of excellence so as to try out and develop new courses to become path finders. Presently 16 Polytechnics are autonomous.

3.3 AUTONOMY AND FLEXIBILITY

Government of Maharashtra declared some polytechnics as 'Autonomous' academically since 1994. The list of autonomous Polytechnics is as follows:-

- a) Government Polytechnics at Mumbai, Pune, Aurangabad, Amravati, Nashik, Nagpur
- b) K. J. Sommaya Polytechnic, Vidyavihar, Mumbai
M. H. Saboo Siddik Polytechnic, Byculla, Mumbai
- c) Government Institute of Hotel Management and Catering Technology, Pune
- d) Government Institute of Printing Technology, Mumbai

Apart from the above list the following Institutions are already autonomous: -

1. Veermata Jijabai Technological Institution, Matunga, Mumbai.
2. S. B. Mafatlal Polytechnic, Vile Parle, Mumbai.
3. Government Polytechnic, Kolhapur.

Rules for Admission to all above polytechnics are same and as per Government norms. All of them are approved by AICTE. Their academic rules are different and given in their prospectus, available with respective institute. The medium of instruction is in "English". The Pattern of Education in all autonomous Institution is same and it is

semester type. Every institution has implemented flexibility in seeking subjects for learning information about flexibility can be made available at these institutes respectively.

3.4 TEST EXAMINATION

The student of this institute shall be required to appear to two test examinations of 30 marks each, centrally organised in a term. The average marks shall be considered for declaration of result.

There is no provision for improvement of test examination marks.

3.5 ELIGIBILITY

The student shall be eligible to appear at the examination of the registered course in a term only when he is certified by the course teacher and Head of the Department that he has put in 75% attendance in lectures and completed 100% laboratory work (if any) of the course satisfactorily.

75 % attendance means attending 75% of the syllabus classes.

The eligibility for the examination will be decided by the Principal.

In case, attendance falls short by 10%, Principal may, condone it only on medical ground *if* certified by the Registered Medical Practitioner (RMP). However, shortage of 5% attendance may also be condoned on the basis *of* extra ordinary work, participation in sports, culture and social activities etc.

3.6 SEMINARS AND TECHNICAL EXHIBITIONS

Final year students of Diploma and Degree Engineering education present seminars as a part of their curriculum and also manufacture technical creative models. Organisations like Tantra Shikshan Vidyarthi Parishad (TSVP) and other voluntary organisation encourages these qualities of technical students and an exhibition titled 'DIPEX' for diploma students and "Shodh" for Degree students is an outstanding example of display of technical models. This activity brings industry and institutes on a common platform, where different models are examined by industry experts and academic experts.

3.7 HOSTEL RULES

The student who is admitted to the hostel has to strictly obey following rules. Detailed rules are available with the rector/warden of the respective institute / polytechnic / college.

1) Every room is three seated and equipped with necessary furniture's and fixtures. Damage caused to allotted items will be recovered from all the students in that room.

- 2) Hostelite is not allowed to play music, sing loudly, create noise, consume alcoholic drinks/drugs, smoke, paste obscene posters and photographs and or colour and write on the walls in the rooms/premises.
- 3) Use of any type of heating and cooking appliances is strictly prohibited in the room. If found using so, all the hostelites in that room are liable for expulsion from the hostel.
- 4) Hostelite should shut off lights and fans whenever he leaves the room.
- 5) Absence from the hostel for few hours / days / weeks, on any ground, without intimation to rector/warden is liable for action.
- 6) Visitors are not allowed to enter the premises before 8 a.m. and after 9 p.m without the permission of the rector/warden on any day. However, they are allowed to meet the hostelites in visitors room only during prescribed time. Hostelites are not permitted to take their visitors to the room.
- 7) Any improper use of electricity and wastage of water will not be tolerated. If found, action will be taken.
- 8) Hostel admission is meant for education only and hence use of hostel premises for any type of political, commercial, antisocial purpose is strictly banned. Anybody found reported/involved in such activities will have to vacate hostel immediately.
- 9) At the end of the term / year, every hostelite has to obtain "No Objection Certificate" (NOC) form the rector/warden before vacating the room and the same is to be produced while seeking admission to the hostel in subsequent term/year.
- 10) Hostelite found troubling other hostelites in any manner and or involved in ragging will be liable for serious action and or directly handed over to Police as per Ragging Act provision.

3.8 RAGGING ACT

According to Maharashtra Prohibition of Ragging Act. 1999 (Mah XXX 111 of 1999) dt. 15/5/99

1. (1) This Act may be called the Maharashtra Prohibition of Ragging Act, 1999.

(2) It shall come into force on such date as the State Government may, by notification in the Official Gazette, appoint.

Prohibition of ragging :- Ragging within or outside of any educational institution is prohibited.

Penalty for ragging :- Whoever directly or indirectly commits, participates in, abets or propagates ragging within or outside any educational institution shall, on conviction, be punished with imprisonment for a term which may extend to two years and shall also be liable to a fine which may extend to ten thousand rupees.

Dismissal of student :- Any student convicted of an offence under section 4 shall be dismissed from the educational institution and such student shall not be admitted in any other educational institution for a period of five years from the date of order of such dismissal.

Suspension of student :- (1) Whenever any student or, as the case may be, the parent or guardian or a teacher of an educational institution complains, in writing, of ragging to the head of the educational institution, the head of that educational institution shall, without prejudice to the foregoing provisions, within seven days of the receipt of the complaint, enquire into the matter mentioned in the complaint and if, prima facie, it is found true, suspend the student who is accused of the offence, and shall, immediately forward the complaint to the police station having jurisdiction over the area in which the educational institution is situated, for further action.

(2) Where, on enquiry by the head of the educational institution, it is proved that there is no substance, prima facie, in the complaint received under sub-section (1), he shall intimate the fact, in writing, to the complainant.

The decision of the head of the educational institution that the student has indulged in ragging under sub-section (1), shall be final.

3.9 SCHOLARSHIPS

- 1) NATIONAL SCHOLARSHIP
- 2) OPEN MERIT SCHOLARSHIP
- 3) BACKWARD CLASS SCHOLARSHIP
- 4) BACKWARD CLASS FREESHIP (SC/ST/NT/VJ)
- 5) **P.T.C. (Primary Teacher's Child's Scholarship)**
- 6) **S.T.C. (Secondary Teacher's Child's Scholarship)**
- 7) Ex. SERVICE MAN
- 8) **E.B.C. (Economically Backward Class Scholarship)**

Validity Certificate - (Only for F.E. admission.)

a) The candidates claiming to belong to the categories of Scheduled Castes or Scheduled Castes converts to Buddhism /VJ NT1,NT2, NT3/SBC/OBC shall produce a Caste Validity Certificate issued by the Divisional Caste Certificate Scrutiny Committee of respective Divisional Social Welfare Office or Caste Certificate Scrutiny Committee, Director of Social Welfare, Maharashtra State, Pune

b) The candidates claiming to belong to the categories of Scheduled Tribes (ST) shall produce a certificate in the prescribed proforma from the Chairperson, Scheduled Tribes Caste Certificate Scrutiny Committee and Director, T R and T L Pune.

c) Application received without copy of Caste Validity Certificate shall not be considered for admission of the candidate in the reserved category in which he/she has claimed reservation.

NOTE :- There are not be any seats reserved for any category or class of candidates for direct admissions to second year of degree engineering courses.

3.10 FEE STRUCTURE

i) Diploma_–

For Government and Aided Institutes.

Tuition Fees - Rs. 6000/- per annum

Development Fees- Rs. 1000/-per annum.

For non-aided Institute fees are decided by Shikshan shulka Samiti

ii) Degree -

For Government and Aided Institutes

Development Fees - Rs. 5000/- per annum

Other Fees - Rs. 4000/- per annum

For Un-Aided Institutes fees are decided by Shikshan shulka Samiti

Note - For detailed information on above, contact Directorate of Technical Education, M.S. Mumbai or Regional office of Technical Education

(ii) Refund of Tuition fees for Degree Courses

Sr. No.	SITUATION	REFUND AMOUNT
1	Request for cancellation of admission is received before the date of start of academic session and the seat could be filled by the Institute before the cutoff date	Entire fee less Rs 1000/-.
2	Request for cancellation of admission is received after the date of start of academic session and the seat could be filled by the Institute before the cutoff date	Entire fee less the total fees (i.e Tuition, Development, hostel fees) on pro rata basis)
3	Request for cancellation of admission is received before/after the date of start of academic session and the seat could not be filled by the Institute before the cutoff date	No refund (except the security/Caution Money deepoist)

Refund of Tuition fees for Diploma Courses

Sr. No.	Period of Cancellation	Fee Deduction
1	Request for cancellation of admission is received before the date of start of academic session and the seat could be filled by the Institute before the cutoff date	Entire fee less Rs 1000/-.
2	Request for cancellation of admission is received after the date of start of academic session and the seat could be filled by the Institute before the cutoff date	Entire fee less the total fees (i.e Tuition, Development, hostel fees) on pro rata basis)
3	Request for cancellation of admission is received before/after the date of start of academic session and the seat could not be filled by the Institute before the cutoff date	No refund (except the security/Caution Money deposit)

3.11 RESERVATION

SC	13.0 %
ST	7.0 %
VJ	3.0 %
NTI	25.0 %
NT2	3.5 %
NT3	2.0 %
OBC	19.0 %

The candidate whose mother belongs to scheduled caste but married to Hindu, Sikhs or Buddha is eligible for a seat reserved for SC subject to verification of such caste of mother and production of caste validity certificate.

3.12 NON-CREAMY LAYER CERTIFICATE

The candidates claiming to belong to categories VJ/DT, NTI, NT2, NT3 and OBC/SBC shall submit a certificate, valid for the current year and issued by concerned Sub Divisional Officer Deputy Collector/Collector that the parent of the candidate do not belong to creamy layer as per the relevant orders of the Government from time to time.

NOTES:

(a) These reservations shall be course wise in an institution.

(b) These reservations are admissible only for the candidates domiciled in the state of Maharashtra.

(c) If a candidate belong to more than one category of reservations his candidature shall be considered in the same sequence of reservations as occurring in these Rules. It shall be treated that the candidate has availed of the reservation under which he is admitted.

(d) If any of the backward class categories mentioned above, do not get the required number of candidates for the percentages laid down, the seats so remaining vacant shall first be filled in from among the candidates of Special Backward Class (SBC.) category to the extent of two per cent seats of intake capacity of the course After doing so, the seats remaining vacant in the respective group of categories as mentioned below shall be offered to candidates from the respective group with reference to inter-se-merit.

Group 1: I) Scheduled Castes and Scheduled Castes converted to Buddha (SC)

II) Scheduled Tribes including those living outside the Specified areas (ST)

Group 2: I) Vimukta Jati (VJ)

II) Nomadic Tribes (NTI)

Group 3: I) Nomadic Tribes 2 (NT2)

II) Nomadic Tribes 3 (NT3)

III) Other Backward Class (OBC)

3.12 COURSES

List of Diploma Courses

1	Architecture Assistantship
2	Post Diploma in Automobile Engineering
3	Automobile Engineering.
4	Architecture.
5	Adv. Dip. In Leather Goods & Footwear Technology
6	Refrigeration & Air Conditioning
7	Beauty Culture & Hair Dressing
8	P.D. in Computer Application
9	Civil Engineering (correspondence)
10	Computer Engineering (industry integrated)
11	Civil Engineering
12	Chemical Engineering (part time)
13	Chemical Engineering
14	Civil Engineering (part time)
15	Computer Technology
16	P.D. in Computer Maintenance Engineering
17	Computer Engineering
18	Adv. Dip. in Computer Software & System Analysis
19	Civil & Rural Engineering
20	Construction Technology
21	Chemical Technology
22	Construction Engineering (sandwich pattern)
23	Civil Engineering (sandwich pattern)
24	Dress Designing and Garment Manufacturing
25	Digital Electronics
26	Dietetics
27	Dress Designing and Manufacturing
28	Electrical Engineering (correspondence)
29	Electrical Engineering
30	Electrical Engineering (part time)
31	Electronics & Telecommunication
32	Export Import Management
33	Electronics
34	Electrical Power System
35	Electronics & Radio Engineering
36	Electronics & Communication Engineering
37	Electronics & Video Engineering
38	Electronics Engineering
39	Food Technology
40	Foundry Technology
41	Fabrication Tech. & Erection Engg. (Sandwich pattern)
42	P.G.D. in Front Office Management & Tourism

43	Fabrication Technology
44	Garment Technology
45	P.G.D. in House Keeping
46	Hotel Management & Catering Technology
47	Instrumentation & Control
48	Interior Design & Decoration
49	Industrial Electronics
50	Information Technology
51	Industrial Electronics (part time)
52	Interior Design & Decoration (part time)
53	Instrumentation
54	Advanced Diploma in Industrial Safety
55	Industrial Electronics (sandwich pattern)
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56	Industrial Safety
57	Knitting Technology
58	Leather Goods & Footwear Technology
59	Leather Technology
60	P.G.D. in Medical Laboratory Technology
61	Mechanical Engineering (correspondence)
62	Mechanical Engineering
63	Man-made Fiber Manufacturing
64	Mechanical Engineering (part time)
65	Mechanical Engineering (sandwich pattern)
66	Mechanical Engineering (industry integrated)
67	Medical Laboratory Technology
68	Machine Tools & Maintenance Engineering (sandwich pattern)
69	Mine Engineering
70	Man-made Textile Technology
71	P.G.D. in Management & Marketing of Man-made Textile
72	Mining & Mine Surveying
73	Metallurgical Engineering
74	Medical Electronics
75	Man-made Textile Chemistry
76	Pharmaceutical Business Management
77	Printing Technology (part time)
78	Plant Engineering
79	Production Engineering
80	Pharmacy
81	Packaging Technology
82	Printing Technology
83	P.D. in Paper Technology
84	Plastic Engineering
85	Production Technology
86	Production Technology (sandwich pattern)
87	Surface Coating Technology
88	P.G.D. in Sugar Chemical Control

89	Stenography & Private Secretarial Practice
90	P.G.D. in Social Communication
91	Technical & Analytical Chemistry
92	Textile Manufactures
93	Travel & Tourism
94	Textile Technology
95	P.G.D. in Travel & Tourism

Post Diploma Courses

Sr. No.	Name of the Institute	Name of the Courses	Intake Capacity
1	S. B. M. Poly., Mumbai	Medical Electronics	10
		Foundry Technology	20
		ATC in Tool Engg.	25
		Computer Application	30
		Management of Medium and Small Entrepreneurs	60
		Total	145
2	St. Xavier's Tech. Inst. Mumbai	Computer Application	30
3	V.J.T.I., Mumbai	Automobile Engineering	20
		Robotics and Automation	20
4	G.P. Mumbai	Telematics	20
		Satellite Technology	20
		Total	40
5	G.P. Pune	Tool Engineering	20
		Fiber Optics	20
		Total	40
6	G.P Solapur	Man-made Textile	20
7	G.P. Jalgaon	Refrigeration & Air conditioning	20
8	G.P.Aurangabad	Information Technology	20
9	G.P.Amravati	Computer Application	20
10	G.P.Nagpur	Paper Technology	20
		Foundry Technology	20
		Total	40
11	G.P.Yavatmal	Computer Application	20
12	Walchand College of Engg. Sangli	Foundry Technology	20
13	Fr.Agnel Polytechnic Mumbai	CAD-CAM	20

14	Instt. of Petrochemical Lonere	Computer Applications	20
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Diploma Courses After H.S.C.

Sr. No.	Name of the Course
1	Hotel Management & Catering Technology
2	Architecture
3	Pharmacy
4	Surface Coating Technology
5	Diploma in Electronics & Radio Engg.

List of Part Time Diploma Courses

Sr. No.	Name of the Institute	Name of the Courses	Intake Capacity
1	G. P. Pune	Civil Mechanical Electrical Electronics & Telecommunication	25 50 30 20
2	G. P. Aurangabad	Civil Mechanical	30 30
3	K. J. S. P., Mumbai	Mechanical Electrical	60 40
4	S. B. M. P., Mumbai	Civil Mechanical Electrical Industrial Electronics	30 60 40 30
5	M. H. S. S. P., Mumbai	Civil Mechanical Electrical Industrial Electronics	30 60 30 30
6	G. P. D. L. Pune	Civil Mechanical Electrical	100 150 150
7	G. I. P. T., Mumbai	Printing	50
8	M. I. P. T., Pune	Printing	50

Degree Courses

1	Automobile Engineering
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2	Bio-Medical Engineering
3	B.Chem Textiles
4	Chemical Engineering
5	Chemical Technology
6	Civil Engineering
7	Computer Engineering
8	Computer Science and Engineering
9	Computer Technology
10	Construction Engineering
11	B.Chem Dyes
12	Electrical Engineering
13	Electrical Engineering (Elect. & Power)
14	Environmental Engineering
15	Electronics Engineering
16	Electronics and Communication Engineering
17	Electronics Product Design Tech.
18	Electronics and Power Engineering
19	Electronics & Telecommunication Engineering
20	Food Technology
21	Intermediate Dye Technology
22	Industrial Engineering
23	Industrial Electronics Engineering
24	Information Technology
25	Instrumentation Engineering
26	Mechanical Engineering
27	Mechanical Engineering (sandwich)
28	Metallurgical Engineering
29	Mining Engineering
30	Man-made Textile Technology
31	Oil and Paints Technology
32	Oil fats and Waves Technology
33	Oil Technology
34	Paper and Pulp Technology
35	Petro-chemical Engineering
36	Petro-chemical Technology
37	Paints Technology
38	Petroleum Engineering
39	B.Chem. Pharma
40	Pharmaceutical and fine Chemicals
41	Plastic Technology
42	Plastic and Polymer Technology
43	Power Electronics
44	Polymer Technology
45	Polymer Engineering
46	Printing Engg. & Graphics
47	Production Engineering

48	Production Engineering (sandwich)
49	Structural Engineering
50	Sugar Technology
51	Surface Coating Technology
52	Textile Engineering Technology
53	Textile Chemistry
54	Textile Plant Engineering
55	Water Management Engineering
56	Architecture
57	Pharmacy
58	Hotel Management & Catering Technology

Post Graduate Diploma Courses

Sr. No.	Name of the Institute	Name of the Courses	Intake Capacity
1	The Silk & Art Silk Mills Research Association, Sasmira, Worli, Mumbai	Management & Marketing. of Man Made Textile	50
2	Basant Kumar Somani Memorial Girls Poly. Mumbai	Social Communication Media Travel & Tourism	40 40
3	V.J.T.I.Mumbai	Food Drugs & Cosmetics Oil & Paints	10 06
4	G.P.Kolhapur	Sugar Technology	10
5	M.S.H.M.C.T,Pune	Front Office Management	20
6	Womens Technical Instt. Nagpur	Dietetics Travel & Tourism	20 20

Part Time Degree Courses

Sr. No.	Name of the Institute	Name of the Courses	Intake Capacity
1	Sardar Patel College of Engg.Mumbai	Civil Mechanical Electrical Total	60 60 60 180
2	Cusrow Wadia Instt. of Technology Pune	Civil Mechanical Electrical Total	60 60 60 180

Management Courses

1	MBA
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2	MMS
3	DBM (PG)

A) Special Provisions/Reservation of Seats - during admission.

1. Diploma Courses

- 70% 0 of seats District level reservation.
- 30% of seats State level inter-se merit
- Physically handicapped - 1% of total intake capacity
- Defense Service Personnel. 5% of total intake capacity
(max. 5 seats)
- Solapur-Weavers for textile course - 10% seats at G.P. Solapur
- Female-Candidate: 25% seats where seats are open for male and female candidate
- Technical candidates: seats
- Reservation for J&K migrants
1 seat per course per institute
- Marathi speaking candidates from Mauritius 5 seats in all.
- NCC-I5 seats (at least NCC- 'A' certificate in all)
- NRI- 5 seats in all
- special provision for outside- state candidates in un-aided institutions.

2. Degree Courses :-

- Reservation for konkan in Dr.BATU, Lonere - 15 seatss
- Maharashtra - Karnataka Disputed border area reservation - 20 seats
- Jammu & Kashmir Migrants - I Seat in each course in each college, except VRCE, Nagpur, UDCT-Mumbai, UDCT Amravati, Jalgaon, Aurangabad and L.I.T.-Nagpur -Government of India nominee - for MHRD

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