I. NAME OF THE INSTITUTION :

- > Shri S'ad Vidya Mandal Institute of Technology
- > College Road, College Campus, Old National Highway No. 8,
- ▶ BHARUCH 392001
- ➢ Telephone No. : 02642-245864
- ► Fax No. : 02642-249601
- E-mail : <u>directorsvmit@hotmail.com</u>
- Website: svmit.ac.in

II. Name of Address of the Trust

- > Shri S'ad Vidya Mandal
- > College Road, College Campus,
- > Bharuch 392001

III. NAME & ADDRESS OF THE DIRECTOR / PRINCIPAL

- Shri Jivrajbhai M. Patel Director
- > Dr. Dipak Deore Principal
- Shri S'ad Vidya Mandal Institute of Technology
- ➤ College Campus, Old National Highway No. 8,
- ➢ BHARUCH 392001
- > Telephone No. : 02642-245864 (O) , Mobile : 9898263333
- Fax No. : 02642-249601 8758386314
- > E-mail :directorsvmit@hotmail.com, principal@svmit.ac.in

IV. NAME OF THE AFFILIATING UNIVERSITY

> Gujarat Technological University (from Academic Year 2008-09),

V. GOVERNANCE

✤ Members of the Board and their brief background :

✤ Members of Academic Advisory Body :

- (1) Prof. (Dr.) Jigar S. Gurjar Prof. In Department of Chemical Engineering
- (2) Dr. D. C. Gosai . Prof. in Department of Mechanical Engineering
- (3) Smt. V.Y. Gajjar Asst. Prof in Department of Mechanical Engineering
- (4) Kum Meghna A. Vaghela Asst. Prof in Department of Electrical Engineering
- (5) Smt. Ruchi Gupta Asst.prof in Department of Civil Engineering
- (6) Dr. Kruti J.Dangarwala Asso. Prof. in Department of Comp Eng / Infor Tech
- (7) Smt. Vaishali R. Patel Asst. Prof. Department of Comp Engg / Info Tech
- (8) Dr. Nirali H. Gondaliya Asst.prof in Department of Physics

- Frequency of the Board Meetings and Academic Advisory Body : 2 times in a Years
- ✤ Organizational chart and processes :
- Nature and Extent of involvement of faculty and students in academic affairs/improvements:

Departments are having autonomy to organize and implement academic and development program . Institute provides necessary finance for such programs .

- Mechanism/Norms & Procedure for democratic/good Governance : Institute believes in open and cooperative governance.
- Student Feedback on Institutional Governance/faculty performance :

Institute is having an mechanism to get students feed back for Teaching Faculty and also for the Management. Institute gives due recognition to the best performer.

♦ Grievance redressal mechanism for faculty, staff and students :

We do not any tight compartment. Faculty or students can approach higher authority freely.

> Anti- Ragging Committee/Squad Details

Committee type	Appointm ent Order Reference Number	Date of Appointment	Name of the Committee Member	Profession	Associat ed with	Mobile Number	e-mail address
Anti- Ragging Committee	SVM/IT/68/ GTU/2024- 25	18-11-2024	Shri Devang Thakore	Professional	BDMA	9824183994	<u>thakore_devang@yahoo</u> .co.in
Anti- Ragging Committee	SVM/IT/68/ GTU/2024- 25	18-11-2024	Dr. H. G Shah	Assistant Professor Mechanical Engg	SVMIT	9427878585	hitesh.shah@svmit.ac.in
Anti- Ragging Committee	SVM/IT/68/ GTU/2024- 25	18-11-2024	Dr. Dipak Gosai	Associate Professor Mechanical Engg.	SVMIT	9426878731	dip_gosai@yahoo.co.in
Anti- Ragging Committee	SVM/IT/68/ GTU/2024- 25	18-11-2024	(Dr.) Kruti Dangawala	Asst Prof. in Computer/ It	SVMIT	9924716500	<u>Shah kruti21@yahoo.i</u> <u>n</u>
Anti- Ragging Squad	SVM/IT/68/ GTU/2024- 25	18-11-2024	DrNirali Gondaliya	Asst. Professor	SVMIT	9427115774	ngondaliya@gmail. com
Anti- Ragging Squad	SVM/IT/68/ GTU/2024- 25	18-11-2024	Shareyas Pandya	guardian	SVMIT	9925367771	shreyasppandya@gma il.com
Anti- Ragging Committee	SVM/IT/68/ GTU/2024- 25	18-11-2024	Prajapati Bhargav	Student	SVMIT	8460975117	Bhargavap1995@hotm ail.com
Anti- Ragging Committee	SVM/IT/68/ GTU/2024- 25	18-11-2024	Mehta Kathanki	Student	SVMIT	9662057196	kathankimehta@gmail .com

> Online Grievances Redressal Mechanism

Grievances Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University

Sr. No	Name of Committee Member	Profession	Address	Associated with	Mobile No.	Email Address
1	J. M. Patel	Director	SVMIT, BHARUCH	Director	9898263333	directorsvmit@hotmail.com
2	Prof. (Dr.) Dipak Deore	Principal I/c	SVMIT, BHARUCH	Prof. Chemical Engg. Dept	8758386314	dipak.deore@svmit.ac.in

Internal Committee

Sr. No	Name of Committee Member	Profession	Address	Associated with	Mobile No.	Email Address
1	Prof. (Dr.) Dipak Deore	Assoc. Prof.	SVMIT, BHARUCH	Chemical Engg. Dept	8758386314	dipak.deore@svmit.ac.in
2	Prof (Dr.) Kruti Dangawala	Asst. Prof.	SVMIT, Bharuch	Computer Engg. /IT Dept	9924716500	<u>Shah_kruti21@yahoo.in</u>
3	Prof.(Dr.) Nirali Gondliya	Asst. Prof.	SVMIT, BHARUCH	Physics Dept.	9427115774	ngondaliya@gmail.com
4	Prof. Vandana Gajjar	Asst. Prof.	SVMIT, BHARUCH	Mechanical Engg. Dept	9723337920	<u>vandana_mistry8@yahoo.co</u> <u>m</u>
5	Neha Parrikh	NGO	Bharuch	Seva-Rural Jhagadia	9429821467	nhp18021971@gmail.com
6	Shreyas Pandya	Administrati ve officer	SVMIT BHRUCH	Administrative Dept.	9925367771	shreyasppandya@gmail.co m
7	Shilpaben Chauhan	Senior Office Asstt.	SVMIT BHRUCH	Administrative Dept	9427583209	shilpahchuahan282@gmail. com
8	Prajapati Bhargav	Student	SVMIT BHRUCH	Chemical Engg.	8460975117	Bhargavap1995@hotmail.com
9	Mehta Kathanki	Student	SVMIT BHRUCH	Computer Sci & Engg	9662057196	kathankimehta@gmail.com
10	Jaimin Vashi	Student	SVMIT BHRUCH	Computer Sci & Engg	7041889855	vashijaimin474@gmail.com

Committee for SC/-ST

Committee type	Appointment Order Reference Number	Date of Appointme nt	Name of the Committe e Member	Profession	Associated with	Mobile Number	e-mail address	Cast e	Gend er
SC/SC COMMITTEE	SVM/IT/68-C /GTU/2024-25	18/11/2024	Prof. MEGHNA VAGHELA	ASST. PROFESSOR	SVMIT, BHARUCH	7567453226	meghna.vaghela @svmit.ac.in	SC	FEMALE
SC/SC COMMITTEE	SVM/IT/68-C /GTU/2024-25	18/11/2024	KAUSHIK TADVI	ACCOUNT OFFICER	SVMIT, BHARUCH	9429479208	kaushik_tadvi@ya hoo.co.in	ST	MALE
SC/SC COMMITTEE	SVM/IT/68-C /GTU/2024-25	18/11/2024	DR. DIPAK DEORE	ASOCIATE PROFESSOR	SVMIT, BHARUCH	8758386314	dipak.deore@svm it.ac.in	OTH ER	MALE
SC/SC COMMITTEE	SVM/IT/68-C /GTU/2024-25	18/11/2024	DR. DIPAK GOSAI	ASOCIATE PROFESSOR	SVMIT, BHARUCH	9426878731	dip_gosai@yahoo .co.in	OTH ER	MALE
SC/SC COMMITTEE	SVM/IT/68-C /GTU/2024-25	18/11/2024	MAHESH PARMAR	HEAD CLEARK	SVMIT, BHARUCH	9904311968	nayana310172@g mail.com	SC	MALE

Internal Quality Assurance Cell

Sr. No.	Name of Committee Member	Academic Body	Address	Associated with	Mobile No.	Email Address
1	J. M. Patel	Chairperson	SVMIT, BHARUCH	Director/ Management	9898263333	directorsvmit@hotmail.com
2	Prof. (Dr.) Dipak Deore	Member	SVMIT, BHARUCH	Assoc. Prof Chemical Engg. Dept	8758386314	dipak.deore@svmit.ac.in
3	Prof. (Dr.) Dipak Gosai	Member	SVMIT, BHARUCH	HOD Mechanical Engg. Dept.	9426878731	dip_gosai@yahoo.co.in
4	Prof. (Dr.) Jigar Gurjar	Member	SVMIT, BHARUCH	HOD Chemical Engg. Dept.	9998962716	Jigar.gurjar@svmit.ac.in
5	Prof. Kruti Dangarwala	Member	SVMIT, BHARUCH	HOD Computer Engg. /IT Dept	9924716500	Shah_kruti21@yahoo.in
6	Prof. Nirali Gondaliya	Member	SVMIT, BHARUCH	Dept. of Physics	9427115774	ngondaliya@gmail.com
7	Shri Shreyas Pandya	Administrative Officer	SVMIT, BHARUCH	Administrative Deparrment	9925367771	shreyasppandya@gmail.com
8	Shri. Harish Joshi	Expert	BDMA, Bharuch	BDMA	9879553471	sumangalam07@gmail.com
9	Shri Rakesh Rehani	Expert	GNFC, Bharuch	GNFC, Bharuch	9879546998	rgrehani59@gmail.com

VI. PROGRAMMES

- ✤ Name of the Programmes approved by the AICTE
 - (1) Chemical Engineering
 - (2) Mechanical Engineering
 - (3) Electrical Engineering
 - (4) Computer Science and Engineering
 - (5) Information Technology
 - (6) Civil Engineering
- Name of the Programmes accredited by the AICTE Graduate Programme in Engineering
- ✤ Name of Programmes Accredited by NBA Nil
- For each Programme the following details are to be given:
 - Name Bachelor of Engineering
 - Number of seats 300
 - Duration Four Year Degree Courses
 - Fee : Tuition Fee Rs. 77175/- per Year
 - Placement Facilities : Available
 - Campus placement in last three years with minimum salary, maximum salary and average salary :

During the last three years , our placement cell could do placement of @ 35 % of passed students. Minimum Salary Rs 2,00,000/ per Annum . Average Salary Rs 2,40,000/ per Annum and maximum Salary Rs 3,60,000 Lacs per Annum.

Name and duration of programme(s) having affiliation/collaboration with Foreign University(s)/Institution(s) and being run in the same Campus along with status of their AICTE approval. If there is foreign collaboration, give the following details :

We Do not have any such program.

Details of the Foreign Institution/University:

- Name of the University/Institution
- Address
- Website
- Is the Institution/University Accredited in its Home Country
- Ranking of the Institution/University in the Home Country
- Whether the degree offered is equivalent to an Indian Degree? If yes, the name of the agency which has approved equivalence. If no, implications for students in terms of pursuit of higher studies in India and abroad and job both within and outside the country.
- Nature of Collaboration
- Conditions of Collaboration

- Complete details of payment a student has to make to get the full benefit of collaboration.
- For each Collaborative/affiliated Programme give the following : **Not Applicable**
 - Programme Focus
 - Number of seats
 - Admission Procedure
 - Fee
 - Placement Facility
 - Placement Records for last three years with minimum salary, maximum salary and average salary

• Whether the Collaborative Programme is approved by AICTE? If not whether the Domestic/Foreign Institution has applied to AICTE for - **Not Applicable**

VI. FACULTY:

- Branch wise list faculty members : As per Website
 - Permanent Faculty
 - Visiting Faculty
 - Adjunct Faculty
 - Guest Faculty
 - Permanent Faculty: Student Ratio 1200 / 62 I.E 19.35
- Number of faculty employed and left during the last three years : LEFT : 03
 EMPLOYED : 62

VIII. PROFILE OF DIRECTOR/PRINCIPAL WITH QUALIFICATIONS, TOTAL EXPERIENCE, AGE AND DURATION OF EMPLOYMENT AT THE INSTITUTE CONCERNED Display on website – svmit.ac.in

IX. FEE

- Details of fee, as approved by State fee Committee, for the Institution. Tuition Fees Rs. 77175/- per Year
- Time schedule for payment of fee for the entire program : Rs. 38587.50/- per Semester
- No. of Fee waivers granted with amount and name of students. : 12 students Number of scholarship offered by the institute, duration and amount : Nil
- Criteria for fee waivers/scholarship. : N.A
- Settimated cost of Boarding and Lodging in Hostels. : Rs. 66000/- per Annum.

X. ADMISSION

• Number of seats sanctioned with the year of approval.

Sr.	Name of Course	Year	No of Seats
No.			
1	Chemical Engineering -	2024-2025	90
2	Mechanical Engineering	2024-2025	30
3	Electrical Engineering	2024-2025	30
4	Computer Science & Engineering	2024-2025	90
5	Information Technology	2024-2025	30
6	Civil Engineering	2024-2025	30

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

Sr. No.	Name of Course	Year	Number Of	
			Students First Year	Lataral
			First Year	Lateral D2D
1	Chemical Engineering	2022-2023	14	14
		2023-2024	17	101*
		2024-2025	71	94
2	Mechanical Engineering	2022-2023	02	14
		2023-2024	02	09
		2024-2025	00	06
3	Electrical Engineering	2022-2023	00	14
		2023-2024	00	05
		2024-2025	00	09
4	Computer Engineering	2022-2023	48*	09
		2023-2024	62*	35
		2024-2025	104*	38
5	Information Technology	2022-2023	11*	23*
		2023-2024	22	11
		2024-2025	35*	09
6	Civil Engineering	2022-2023	01	12
		2023-2024	01	04
		2024-2025	00	00

* students admitted under TFW category are included

 Number of applications received during last two years for admission under Management Quota and number admitted.

Sr. No.	Year	No. of Application Received	No. of Students Admitted
1	2023-2024	28	26
2	2024-2025	72	67

NOTE : We had requested Management Quota Admission committee for professional courses to fill up

XI. ADMISSION PROCEDURE :

Merit based system. Admission is through Admission Committee for Professional courses, Gujarat State.

- Mention the admission test being followed, name and address of the Test Agency and its URL (website).
- Number of seats allotted to different Test Qualified candidates separately [AIEEE/CET (State conducted test/University tests)/Association conducted test]
- Calendar for admission against management/vacant seats: Admission were carried out online by ACPC
 - Last date for request for applications.
 - Last date for submission of application.
 - Dates for announcing final results.
 - Release of admission list (main list and waiting list should be announced on the same day)
 - Date for acceptance by the candidate (time given should in no case be less than 15 days)
 - Last date for closing of admission.
 - Starting of the Academic session.
 - The waiting list should be activated only on the expiry of date of main list.
 - The policy of refund of the fee, in case of withdrawal, should be clearly notified.

XII.CRITERIA AND WEIGHTAGES FOR ADMISSION

Merit Criteria is based on marks secured in science subjects at 10 + 2 Examination (50 %) + 50 % of Common Admission Test conducted by State Government.

- Describe each criteria with its respective weightages i.e. Admission Test, marks in qualifying examination etc.
- Mention the minimum level of acceptance, if any.
- Mention the cut-off levels of percentage & percentile scores of the candidates in the admission test for the last three years.
- Display marks scored in Test etc. and in aggregate for all candidates who were admitted.
- *

Item No I - XI must be given in information brochure and must be hosted as fixed content in the website of the Institution.

The Website must be dynamically updated with regard to XII–XV.

For ITEM NO XI-XV State Government is doing necessary procedures, They are available on website of Admission Committee – www. acpc.gujarat.gov.in Therefore it is not enclosed here.

APPLICATION FORM

Downloadable application form, with online submission possibilities.

XIII. LIST OF APPLICANTS

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

XIV. RESULTS OF ADMISSION UNDER MANAGEMENT SEATS/VACANT SEATS

- Composition of selection team for admission under Management Quota with the brief profiles of members (This information be made available in the public domain after the admission process is over)
- Score of the individual candidates admitted arranged in order of merit.
- List of candidates who have been offered admission.
- Waiting list of the candidates in order of merit to be operative from the last date of joining of the first list candidates.
- List of the candidates who joined within the date, vacancy position in each category before operation of waiting list.
- *

XV. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

All details are given in 17 to 23 of the enclosed form.

LIBRARY:

- > Number of Library books/Titles/Journals available (programme-wise) 32879
- > List of online National/International Journals subscribed. YES
- ► E-Library facilities (DELNET) YES
- > National Digital Library (NDL) Subscription details YES

LABORATORY: LIST ATTACHED

For each Laboratory

- List of Major Equipment/Facilities
- List of Experimental Setup

COMPUTING FACILITIES:

- Number and Configuration of Systems
- > Total number of systems connected by LAN 270

- > Total number of systems connected to WAN 270
- ➢ Internet bandwidth −100 mbps
- > Major software packages available Yes
- > Special purpose facilities available Yes

WORKSHOP:

- List of facilities available.
 Games and Sports Facilities Yes
 Extra Curriculum Activities
 Soft Skill Development Facilities
 Number of Classrooms and size of each 49 (84.5 In Sq. m)
 Number of Tutorial rooms and size of each 10 (52.25 In Sq. m)
 Number of laboratories and size of each 77 (67.5 In Sq. m)
 Number of drawing halls and size of each 07 (164 In Sq. m)
 Number of Computer Centres with capacity of each 4 (162 In Sq. m)
 Central Examination Facility, Number of rooms and capacity of each.
- Curricula and syllabus for each of the programmes as approved by the University.
- > Academic Calendar of the University Display University website gtu.ac.in
- Academic Time Table
- Teaching Load of each Faculty
- > Internal Continuous Evaluation System and place
- > Students' assessment of Faculty, System in place.

For each Post Graduate programme give the following: N.A.

- i. Title of the programme
- ii. Curricula and Syllabi
- iii. Faculty Profile
- Brief pro
- file of each faculty.
- Laboratory facilities exclusive to the PG programme

Special Purpose

- Software, all design tools in case
- Academic Calendar and frame work

XVI. Enrolment and placement details of students in the last 3 years

Refer the Sr. No. 10 - ADMISSION

XVII. List of Research Projects/Consultancy Works

- Number of Projects carried out, funding agency, Grant received.
- Publications (if any) out of research in last three years out of masters projects
- Industry Linkage.
- MoUs with Industires (minimum3(10))

XVIII. LoA and subsequent EoA till the current Academic Year

XIX. Accounted audited statement for the last three years.

XX. Best Practice adopted, if any.

NOTE: Suppression and/or misrepresentation of information shall invite appropriate penal action. The Website shall be dynamically updated with regard to Mandatory Disclosures.

Sr. No.	Name of Course	Number Of Seats	Duration In Years	Years	Category	Cut off Marks Of Last Admitted
1	Chemical Engineering	90	4	2022	Open	
					SC	
					ST	
					SEBC	
		90	4	2023	Open	
					SC	
					ST	
					SEBC	
		90	4	2024	Open	
					SC	
					ST	
					SEBC	
2	Mechanical Engineering	30	4	2022	Open	
					SC	
					ST	
					SEBC	
		30	4	2023	Open	
					SC	
					ST	
					SEBC	
		30	4	2024	Open	
					SC	
					ST	
					SEBC	
Sr. No.	Name of Course	Number Of Seats	Duration In Years	Years	Category	Cut off Marks Of Last Admitted
3	Electrical Engineering	30	4	2022	Open	
	00				SC	
					ST	
					SEBC	

Cut off merit mark/rank for admission during the last three years –First Year

	1					
		30	4	2023	Open	
					SC	
					ST	
					SEBC	
		30	4	2024	Open	
					SC	
					ST	
					SEBC	
4	Computer	90	4	2022	Open	
	Engineering					
					SC	
					ST	
					SEBC	
		90	4	2023	Open	
					SC	
					ST	
					SEBC	
		90	4	2024	Open	
					SC	
					ST	
					SEBC	

Sr. No.	Name of Course	Number Of Seats	Duration In Years	Years	Category	Cut off Marks Of Last Admitted
5	Information Technology	30	4	2022	Open	
					SC	
					ST	
					SEBC	
		30	4	2023	Open	
					SC	
					ST	
					SEBC	
		30	4	2024	Open	
					SC	
					ST	
					SEBC	
6	Civil Engineering	30	4	2022	Open	
					SC	
					ST	
					SEBC	
		30	4	2023	Open	
					SC	
					ST	
					SEBC	
		30	4	2024	Open	
					SC	
					ST	
					SEBC	

Shri S'ad Vidya Mandal Institute of Technology

List of Laboratories with Area

Chemical Engineering Department

Area in Sq. mt. 750

List of laboratories	List of Major Equipments
(i) Process Control	1. On-off Controller 2.W-Tube Manometer
	3. Second Order Critically Damped System
	4. Second Order Over damped System
	5. Bubbler System
	6. First Order with circular
	7. First Order with weir
(ii) Chemical Reaction Engineering	1.RTD Studies in spiral coil reactor
	2.RTD Studies in annular reactor
	3. Dispersion model 4. Sine Tube reactor
	5. CSTR in Series 6. CSTR in parallel
	7. Kinetic Dissolution and Benzoic acid
(iii) Transport Phenomenon	1.Heat transfer in agitated vessel
	2 Dissolution of Benzoic acid
	3. Effluse time – for Annulus and
	cycslidrical
	4 Diffusion of Vapour in air
	5. Oswald Viscometer
	6. Canon-fen sky viscometer
	7. Pin-Fin apparatus
(iv) CAD Laboratory	Development of Programme in "C"

	language for solving numerical methods
	1. In set of Linear Equations
	2. Non Linear Equation
	3. Numerical integration
	4. Numeric Differentiation
	5. Optimization and Cal. For Torispherical
	design pump, Pump Selection, pump
	H.P. for plant application
(v) Safety and Environment	1. PH – meter 4. Oven
Laboratory	2. BOD Incubator 5. Spectrophotometer
	3. COD Measurement Apparatus
	6. High Volume Sample
	7. Stack motoring kits
	8. muffle furnace
	9. Glass ware apparatus for measurement
	of S.S.T.D.S Chlorine, acidity, alkimity,
	phosphate
(vi) Mechanical Operations	1. Jaw crusher 2. Roll crusher
	3. Ball Mill 4. Sleve shaker
	5. Cyclone Seperator 6.Basket

	centrifuge
	7. Emissiiving Measurement Appartus
	8. Condensation Drop Wise and
	-
	Alluminase
(vii) Heat Transfer Operations	1. Complsett wall 2. Shell and Tube H.E.
	3. Plane Tune 4. Fin Tune
	5. Pin-Fin H.E. 6. Lagged pipe
	7. Emissiving Measurment Appartus
	8. Condensation Drop wise and Alluminase
(viii) Mass Transfer Operations	1.Distillation Column2.Absorbtion Column
	3. Liquid extraction column
	4. Tray Drayer
	5. Diffusinty with gespect to tamp.
	6. Hurmidification
	7. mass transfer coefficient
	8. Develop Temory Diagram
(ix) Fluid Flow Operation Laboratory	1. Oriface meter2. Venturi
	meter
	3. V-Knowtch 4. Reynold's No.
	5. Bowtullis apparatus 6. Pipe friction
	7. P.P.t. fittings
(x) General Chemical Technology –	Glass ware apparatus for :
(I)	1.Preparation of soap

	2. Preparation of Aspirin from Salisylic
	acid
	3. Preparation for detergent Powder
	4. Preparation of Boric acid
	5. Preparation of Potassium alum
	6. Acid No. of an Oil
	7. Preparation of calcium Chloride
	8. Determination of Chlorine-Chlorine
	in
	bleaching powder
(xi) General Chemical Technology –	1.Red Wood Viscometer
(II)	2. Flash Point and Fine Point
	3. Ball and Ring apparatus
	4. Simple Distillation apparatus
	5. Measurment of Carbon Residue
	Equipment
	6. Reid Vapuor Pressure Equipment
	7. Penetration No.
(xii) Bio-Chemical Engineering Lab	Orbital Shaking Incubator -1
	Auto Clave Steam -1
	Laminar Air Flow -1
	Pc Based U.V. Visible Digital
	Spectrophotometer Make :
	R 24 (Revolutionary High Speed Centrifuge without Rotor – 1
	R-243 (8x25ml Angle Head with Polypropylene Tube / Rili -1
	Refrigerated Orbital Shaking

	Incubator GGT=1201 -1, UV Handheld Lamp – 1
(xiii)New Seperation Techniques Lab	Air Bath Oven -1, Jet-Vae J-1,
	Water Jet Vaccum Pump – 1
	Pilot Plant of RO, NF & UF
	Membrane Seperation

Mechanical Engineering Department	Area in Sq. mt. 2530
List of laboratories	List of Major Equipments
(i) Workshop – Mechanical Technology and Production Technology	Lathe Machine (10 Nos.), Shaping Machine (04 Nos.) Milling Machine, Tool Grinding Machine, Surface Grinding Machine, Tool Dynemo meter for lathe, Milling Shaping and Grinding Machines, Electro-chemical Machining set-up etc. Carpentry shop, Smithy Shop.
(ii) CAD/CAM Laboratory	15–Computers(Pentium-4 with 17"Monitor Auto-Desk Inventor series 7.0 1. Auto-CAD- 2004 2. Inventor 7.0 3. Mechanical Desktop – 2004 4. Auto- CAD Mechanical - 2004 Auto desk Education Partner CNC Lathe STARTURN (HMT make)

(iii) Hydraulic and Fluid Mechanics	Pelton Wheel Trubine Test rig,
Laboratory	Frincis Turbine Test rig,
	C.F. Pump Test rig, Gear Pump Test rig,
	Cvitation Test rig etc.
	Ventury meter apparatus,
	Orifice Meter apparatus,
	V-Knotch apparatus etc.
(iv) I.C. Engine Laboratory	Four Cylender Fourstroke diesel engine
	(35 KW)
	Twin Cylinder – 4 stoke Diesel engine, Single Cylinder 2 stoke petrol engine, computerized petrol engine test rig for energy Balance.
(v) Refrigeration and Air- Condition	Re-circulation type A.C. Test rig, ICE-
Laboratory	Plant, Heat Pump Test rig,
	Vapur Compression Refrigeration test rig,
	Heat Pump for Somulteneous Hot and Cold Utility, Car A.C. System
(vi) Metallurgical Laboratory	Furnace, Oven, Metallurgical Microscope,
	Belt-Grinder and Polishing machine, Standard Samples for Observation.
(vii) Basic Mechanical System Laboratory	Model of conventional Boilers, Working modes of 2 stoke and 4 stoke Petrol and diesel, I.C. Engines
	Working model power plant,
	Models of Boiler Mounting and
	Accessories etc.
(viii) Heat Transfer Operations	Forced Convection Apparatus,
	Natural Convection Apparatus etc
(ix) Thermodynamics Laboratory	Greese Penetro meter, Red-wood Viscometer, Reids Vapour Pressure

	Appartus, Bomb Calorimeter, Junkers gas Calorimeter etc.
(x) Metrology Laboratory	Sine Bar, Vermier calipers with dial Indicator, Slip Gauge Sets, Height Gauge, Gear Tooth Vernier Caliper, Mico-meter,
	V-Blocks, Screw pitch gauge, thread gauge, Auto-Colimeter, Filter Gauges etc.
(xi) Mechanical Measurement Laboratory	Dead Weight tester, LV.D.T Thermo Couple, Thermister, R.T.D., Photo Beak – up Cell, Pressure Transducer etc.
(xii) Material Testing Laboratory	UTM (60Tons.), Compression Testing Machine (200 Tones)
	Hardness Testing Machine (250 B.N.)
	Impact Testing Mahcine (300 J/Sq. mm.)
	Torison Testing Machine (1000 N-m) , Fatigue Testing Machine (100 N)
(xiii) Engineering Mechanics Laboratory	Universal Foce Table, Model of Simple roof truss, Adjustable inclined plane for friction coefficient measurement, Fixed Drim with Pully attachment, Fly Wheel, searle's apparatus.
(ixv) Dynamic Of Machine	Pendulum Experiment
	Longitudinal Vibration Set up
	Torsional Vibration Set up
	Damped Vibration Set up
(xv)Theory of Machine Lab	Spur Gear Trains Worm & Cyclic Gear Trains
	Helical Gears, Bevel Gear Trains
	Linkage Mechanism
	Cam & Miscellious Mechanism
	Belt, Chain & Friction Drive

	Machine Tool Mechanism
(xvi) Vibration Laboratory	Universal Vibration Equipment with 11 experiments

Electrical Engineering Department Phase-I

Area in Sq. mt. 1205

	List of laboratories	List of Major Equipments
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(i) Electro-techniques Laboratory	Single Phase Various, Capacitors banks
	Rheostates, Loading rheostats, Voltameters
	Ammeters, Multimeters.
(ii) Electrical Machine Laboratory	1-Ph and 3 Ph Transformers, D.C. Series motor – generator set, induction motors,
	synchronous motor, alternators, 3Ph Variacs
(iii) Power System Protection	Setup and Relays for,
Laboratory	Over current Protection, Earth fault Protection, Distanee Protection,
	Time co-ordination of relys, relay test set,
	Reverse power protection.
(iv) Control System Laboratory	PLC Trainer, PID Control Trainer,
	Process Control Trainer Synchro : Transmeter, receiver, Control Transformer,
	Stepper moto trainer, AC/DC Position,
	Servo Trainer, Phase Lead, Lag, Lead- Lag Compensation Trainer.
(v) Measurement Laboratory	Strain gauge, LVDT, OIL test set, Cable fault defection test, Potentiometer trainer, Schering Bridge, Maxwell Bridge, Hays' Bridge, LCR Bridge, De-Shorty bridge, RTD, KELvin's double Bridge, Anderson Bridge, 1-ph energy meter.

Electrical Engineering Laboratory Department Phase -II Area in Sq. mt. 560

List of laboratories	List of Major	Equipments
(i) Basic Electronics Laboratory	(i) Trainer Kits	(ii) C.R.O.S.
	(iii) Functions	Generators (iv)

	Multimeters
	(v)DC Regulated Power Supplies
	(vi) Components
	(vii) Bread Boards
(ii) Linear Electronics Laboratory	(i) Trainer Kits (ii) C.R.O.S.
	(iii) Functions Generators (iv) Multimeters
	(v)DC Regulated Power Supplies
	(vi) Components
	(vii) Bread Boards
(iii) Power Electronics Laboratory	(i) Trainer Kits (ii) C.R.O.S.
	(iii) Functions Generators (iv) Multimeters
	(v)Digital Storage Oscilloscope
	(vi) Components
	(vii) Bread Boards
(iv) Pulse and Instrumentation	(i) Trainer Kits (ii) C.R.O.S.
Laboratory	(iii) Signal Generators (iv) Multimeters
	(v)C.R.O. Demostrate Unit
	(vi) Components
	(vii) Bread Boards
(v) Microprocessor Laboratory	(i) 8085 Triners Kits (ii) 8086 Trainer Kits
	(iii)8051 Trainers Kits (iv) VLSI Trainer

	(v) 6713 D.S.P. Kits (vi) Interface Cards					
	(vii) EPROM Programmer / Eraser					
	(viii) Assemblers / Simulators					
	(ix) LAN Connected Computers					
(vi) Digital Circuit Laboratory	(i) Bread Boards (ii) Multimeters					
	(iii) Components (iv) Simulators					
	(v) I.C. Testers					
(vii) Communication Laboratory	(i) Microwave Test Bench					
	(ii) Fiber Optics Trainers					
	(iii) T.N. Trainers					
	(iv) Antena Trainers					
	(v) Radar Trainers					
	(vi) Modulation / Demodulation Trainer					
	(vii) Satelite Communication Trainer					
	(viii) Video Pattern Generator					

Computer Engineering and information Technology

Area in Sq. mt. 687

List	of labora	tories	List of Major Equipments
Computer and Information Technology		Information	Computer Laboratory 1 to 4 150 – terminal with 2 server

Civil Engineering Department

List of laboratories	List of Major Equipments
(i) Surveying Laboratory	20 meter Chains, 30 Meter Chanins, Prsmatic Compass Surveyor's Compass, C.I. Pegs etc.
(ii) Vibration Laboratory	Universal Vibration Equipmets with

	11 experiments.				
(iii) Transportation Laboratory	1.Ductility Testing Machine VIPL040*				
	2.I.P.Thermometer				
	3.Aggregate Impact Tester with Automatic				
	Blow Counte				
	4. Standard Pentrometer Bitumen				
	5.Los Angeles Abratsion Testing Machine				
	IS:2386				
	6.Ring & Ball Apparatus Ha Operated/				
	Electrically Operate				
(iv) Soil and Foundation Laboratory	1.Pycnometer Bottle				
	2. Funnel glass – 75 mm				
	3.Spatula 6" Spoon Type				
	4.Sieve Brush				
	5.Soil Hydrometer				
	6.High Speed Soli Stirrer – 6000 To 8000RPM				
	7.Evaporating Basin – Porcelain Dish 100 mm dia				
	8.Flask – Conical 250 ml				
	9. Moisture /Ash Dish 11 x 38 mm – 8ml				
	10. Brass Rod 3mm dia				
	11. Evaporating Dish 75 mm dia				
	12 Evaporating Dish 150 mm dia				
	13. Dish Glass for Shrinkage Limit Test				
	14. Mercury				
	15. Straight Edge 300 mm				

(v) Highway Engineering Laboratory	1. Marshal Stability Machine- 4" Dia. With				
	proving ring & dial gauge.				
	ACCESSORIES ITEMS				
	1.Proving Ring – Compression Type 3KN				
	2.Braking Head Assembly – 4" 3. Mould Marshal 4" Dia				
	4. Rammer Marshal				
	5. Compaction Pedestal – 4"				
	2.Pensky Marten Flash Point Apparatus –				
	With Energy Regulator				
	ACCESSORIES ITEMS				
	1.Open Clip for Pensky Marten Flash Point				
	Apparatus				
	2. Thermometer Glass – IP 150C				
	3. Thermometer Glass – IP 160C				
	4.Box Wooden for Pensky Marten Flash				
	Point				
(vi) Concrete Tech. & Construction	1.Length Gauge (Elongation Gauge)				
	2.Flakiness Gauge				
	3.Density Basket				
	4.Bulk Density Cyclinderical Measure 15 Ltr				
	5. Bulk Density Cyclinderical Measure 10 Ltr				
	6. Bulk Density Cyclinderical Measure				

	03 Ltr				
	7.Coarse Sieve Set				
	8.Fine Sieve Set				
	9.Slump Test Apparatus				
	10.Compaction Factor Apparatus				
	11.Concrete Test Hanner				
	12.Compression Testing M/c2000 KN(Digital) 13.Sieve Shaker Gyratory – 20 Cm(Motorised)				
	14. Misc Items ->				
	Ultrasonic Concrete				
	Tester -> Model -4600 15 Cub				
(vii) CAD Laboratory	1.10 Compters				

Other Core Laboratories

Area in Sq. mt 705

List of laboratories	List of Major Equipments		
Chemistry Laboratory	1. Conductivity Meter - 02		
	2. I.C. Power Supply - 01		
	3. Electronics Digital Balance – 06		
	4. Heating Mental - 01		
	5. Laboratory Oven - 01		
	6. Magnatic Stirrer - 03		
	7. PH-Meter - 03		
	8. Polarimeter - 02		
	9. Pykometer (25ml) - 02		
	10. Pykometer (10ml) - 05		
	11. Round Hot Plate - 01		
	12. Single Pan Balance - 01		

13. Spectrophotometer - 02	
14. Viscometer - 06	
15. Water Bath - 01	

List of laboratories	List of Major Equipments
Physics Laboratory	1. Spectrometer
	2. Travelling Mirorscope for
	Newton's Ring
	3. Sodium Pump with Choke
	4. Mercury Pump with Choke
	5. Solenoid Appartus
	6. Stephons Law Appartus
	7. Photocell Appartus
	8. Malus Law Appartus
	9. Diffraction Gratting
	10. Prism
	11. Lamp and Scale with Transformer
	12. Volatameter and Milivoltameter
	with case
	13. Ameter with case and Miliameter
	14. Jules Appartus

Sr.No.	Name of the Deed Holder	Document No Registered in Sub Registrar office, Bharuch	Date of Registration	Plot No. / Survey No.	Address(Village) Dist.	Area in acres
1	Shri S'ad Vidya Mandal	Sr.No.07, Book No.1	02-01-1956	76	Kasak patti, Bharuch	5.35
2	Shri S'ad Vidya Mandal	Sr.No.12, Book No.1	02-01-1956	83	Kasak patti, Bharuch	5.30
					Total area in acres	10.65

Sr. No.	Room No.	Room Type (mention Class room/ Lab/Toilet,etc)	Carpet Area (in Sq m)	Completion of Flooring	Completion of Walls and Painting	Completion of Electrification and lighting
1	A002	Class room	84.5	Ready	Ready	Ready
2	A004	Class room	84.5	Ready	Ready	Ready
3	A006	Class room	84.5	Ready	Ready	Ready
4	A007	Class room	84.5	Ready	Ready	Ready
5	A009	Class room	84.5	Ready	Ready	Ready
6	A104	Class room	84.5	Ready	Ready	Ready
7	A106	Class room	84.5	Ready	Ready	Ready
8	A108	Class room	84.5	Ready	Ready	Ready
9	A202	Class room	84.5	Ready	Ready	Ready
10	A204	Class room	84.5	Ready	Ready	Ready
11	A205/C	Class room	95	Ready	Ready	Ready
12	A206	Class room	84.5	Ready	Ready	Ready
13	A207	Class room	84.5	Ready	Ready	Ready
14	A209	Class room	84.5	Ready	Ready	Ready
15	A211/C	Class room	75	Ready	Ready	Ready
16	B002	Class room	84.5	Ready	Ready	Ready
17	B003	Class room	84.5	Ready	Ready	Ready
18	B004	Class room	84.5	Ready	Ready	Ready
19	B005	Class room	84.5	Ready	Ready	Ready
20	B006	Class room	84.5	Ready	Ready	Ready
21	B007	Class room	84.5	Ready	Ready	Ready
22	B102	Class room	84.5	Ready	Ready	Ready
23	B103	Class room	84.5	Ready	Ready	Ready
24	B104	Class room	84.5	Ready	Ready	Ready
25	B202A	Class room	84.5	Ready	Ready	Ready
26	B203	Class room	84.5	Ready	Ready	Ready
27	B204	Class room	84.5	Ready	Ready	Ready
28	B205	Class room	84.5	Ready	Ready	Ready

29	B206	Class room	84.5	Ready	Ready	Ready
30	B207	Class room	84.5	Ready	Ready	Ready
31	D101	Class room	106.26	Ready	Ready	Ready
32	D102	Class room	106.26	Ready	Ready	Ready
33	D103	Class room	106.26	Ready	Ready	Ready
34	D104	Class room/Lab	161.25	Ready	Ready	Ready
35	D105	Class room	79.75	Ready	Ready	Ready
36	D106	Class room	79.75	Ready	Ready	Ready
37	D201	Class room	84.5	Ready	Ready	Ready
38	D202	Class room	84.5	Ready	Ready	Ready
39	D203	Class room	84.5	Ready	Ready	Ready
1	A101	Drawing Hall	184	Ready	Ready	Ready
1	A005-A	Laboratory	68.75	Ready	Ready	Ready
2	A005-B	Laboratory	68.75	Ready	Ready	Ready
3	A005-C	Laboratory	68.75	Ready	Ready	Ready
4	A005-D	Laboratory	68.75	Ready	Ready	Ready
5	A005-E	Laboratory	68.75	Ready	Ready	Ready
6	A005-F	Laboratory	68.75	Ready	Ready	Ready
7	A005-G	Laboratory	68.75	Ready	Ready	Ready
8	A005-H	Laboratory	68.75	Ready	Ready	Ready
9	A010A	Laboratory	67.5	Ready	Ready	Ready
10	A010B	Laboratory	67.5	Ready	Ready	Ready
11	A010C	Laboratory	67.5	Ready	Ready	Ready
12	A010D	Laboratory	67.5	Ready	Ready	Ready
13	A-011A	Laboratory	75.5	Ready	Ready	Ready
14	A-011B	Laboratory	75.5	Ready	Ready	Ready
15	A-011C	Laboratory	75.5	Ready	Ready	Ready
16	A-011D	Laboratory	75.5	Ready	Ready	Ready
17	A-011E	Laboratory	75.5	Ready	Ready	Ready
18	A-011F	Laboratory	75.5	Ready	Ready	Ready
19	A105A	Laboratory	68.75	Ready	Ready	Ready
20	A105B	Laboratory	68.75	Ready	Ready	Ready
21	A105C	Laboratory	68.75	Ready	Ready	Ready
22	A105D	Laboratory	68.75	Ready	Ready	Ready
23	A105E	Laboratory	68.75	Ready	Ready	Ready
24	A105F	Laboratory	68.75	Ready	Ready	Ready
25	A105G	Laboratory	68.75	Ready	Ready	Ready
26	A105H	Laboratory	68.75	Ready	Ready	Ready
27	A110A	Laboratory	67.5	Ready	Ready	Ready
28	A110B	Laboratory	67.5	Ready	Ready	Ready
29	A110C	Laboratory	67.5	Ready	Ready	Ready
30	A110D	Laboratory	67.5	Ready	Ready	Ready

31	A111A	Laboratory	75.5	Ready	Ready	Ready
32	A111B	Laboratory	75.5	Ready	Ready	Ready
33	A111C	Laboratory	75.5	Ready	Ready	Ready
34	A111D	Laboratory	75.5	Ready	Ready	Ready
35	A111E	Laboratory	75.5	Ready	Ready	Ready
36	A111F	Laboratory	75.5	Ready	Ready	Ready
37	A205A	Laboratory	68.75	Ready	Ready	Ready
38	A205B	Laboratory	68.75	Ready	Ready	Ready
39	A205D	Laboratory	68.75	Ready	Ready	Ready
40	A205E	Laboratory	68.75	Ready	Ready	Ready
41	A205F	Laboratory	68.75	Ready	Ready	Ready
42	A205G	Laboratory	68.75	Ready	Ready	Ready
43	A205H	Laboratory	68.75	Ready	Ready	Ready
44	A205I	Laboratory	68.75	Ready	Ready	Ready
45	A203A	Laboratory	140	Ready	Ready	Ready
46	A203B	Laboratory	67.5	Ready	Ready	Ready
47	A210A	Laboratory	67.5	Ready	Ready	Ready
48	A210B	Laboratory	67.5	Ready	Ready	Ready
49	A210C	Laboratory	67.5	Ready	Ready	Ready
50	A210D	Laboratory	67.5	Ready	Ready	Ready
51	A211A	Laboratory	75.5	Ready	Ready	Ready
52	A211B	Laboratory	75.5	Ready	Ready	Ready
53	A211D	Laboratory	75.5	Ready	Ready	Ready
54	A211E	Laboratory	75.5	Ready	Ready	Ready
55	A211F	Laboratory	75.5	Ready	Ready	Ready
56	A211G	Laboratory	75.5	Ready	Ready	Ready
57	A111E1	Laboratory	89.5	Ready	Ready	Ready
1	C-001	Research Lab	70	Ready	Ready	Ready
2	C-002	Research Lab	70	Ready	Ready	Ready
1	A102	Seminar room	135	Ready	Ready	Ready
2	A201	Seminar room	184	Ready	Ready	Ready
3	B101	Seminar room	164	Ready	Ready	Ready
4	B108	Seminar room	164	Ready	Ready	Ready
5	B201	Seminar room	164	Ready	Ready	Ready
6	B202	Seminar room	164	Ready	Ready	Ready
1	G001	Seminar room	135	Ready	Ready	Ready
1	A007	Tutorial room	40	Ready	Ready	Ready
2	A103	Tutorial room	40	Ready	Ready	Ready
3	A203	Tutorial room	40	Ready	Ready	Ready
4	D204	Tutorial Room	52.25	Ready	Ready	Ready
5	D205	Tutorial Room	52.25	Ready	Ready	Ready
6	D206	Tutorial Room	52.25	Ready	Ready	Ready

7	D207	Tutorial Room	52.25	Ready	Ready	Ready
8	D208	Tutorial Room	52.25	Ready	Ready	Ready
9	D209	Tutorial Room	52.25	Ready	Ready	Ready
10	D210	Tutorial Room	52.25	Ready	Ready	Ready
1	A013	Workshop	225	Ready	Ready	Ready
2	A003-2	Workshop	225	Ready	Ready	Ready
3	B301	Additional Workshop	800	Ready	Ready	Ready