

## **MANDATORY DISCLOSURE**

Last updated on 24/03/2022

**1. Name of the Institution**

**N. G. PATEL POLYTECHNIC**

At: Isroli, Po: Afwa, Tal: Bardoli,  
Dist: Surat – 394620. Gujarat. India  
E-mail: [svpess@yahoo.in](mailto:svpess@yahoo.in)  
Website: [www.ngpatelpoly.ac.in](http://www.ngpatelpoly.ac.in)  
Phone No: 9512900459

**2. Name and Address of the Trust / Society / Company and the Trustees:**

**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY**

At: Isroli, Po: Afwa, Tal: Bardoli,  
Dist: Surat – 394620. Gujarat. India  
E-mail: [svpess@yahoo.in](mailto:svpess@yahoo.in)  
Website: [www.ngpatelpoly.ac.in](http://www.ngpatelpoly.ac.in)  
Phone No: 9512900459

**3. Name and address of the Principal:**

**Kartik R. Desai**

At: Isroli, Po: Afwa, Tal: Bardoli,  
Dist: Surat – 394620. Gujarat. India  
E-mail: [krd.ngpp@gmail.com](mailto:krd.ngpp@gmail.com)  
Website: [www.ngpatelpoly.ac.in](http://www.ngpatelpoly.ac.in)  
Phone No: 9925561339

**4. Name of the affiliating University:**

**Gujarat Technological University (GTU),**  
Nr. Vishwakarma Government Engineering College  
Nr. Visat Three Roads, Visat - Gandhinagar Highway  
Chandkheda, Ahmedabad – 382424 - Gujarat

**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED  
N. G. PATEL POLYTECHNIC**

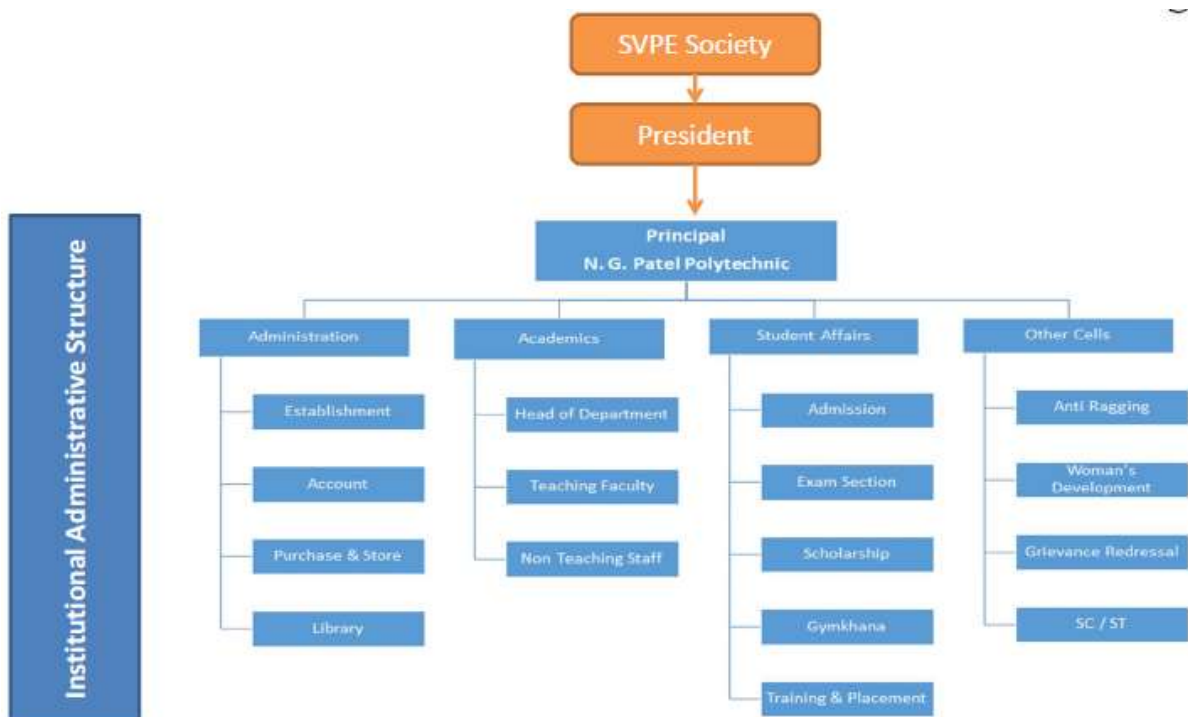
**5. Governance**

• **Members of the Board of Governance (BoG)**

Sr. No.	Category	Name of Member	Brief of Functions and Responsibility
1	Chairman	Mr. B. V. Patel	<ul style="list-style-type: none"> <li>• To formulate the policies related to academics and to ensure effective implementation of the same.</li> <li>• To prepare and approve the annual budgetary allocation towards infrastructure, Academic &amp; Development needs.</li> <li>• Effective human resource management.</li> <li>• To make sure the implementation of recommendation of governing body.</li> </ul>
2	Executive Member	Mr. M. N. Patel	
3	Executive Member	Mr. P. B. Patel	
4	Executive Member	Mr. H. R. Patel	
5	Executive Member	Mr. H. D. Patel	
6	Member Secretary	Mr. K. R. Desai	
7	State Government Ex-officio	Dr. Sachin Parikh	
8	Industrialist	Mr. Amit Patel	
9	Industrialist	Mr. Niraj Mithani	
10	Faculty Members	Mr. M. B. Dhangar	
11	Faculty Member	Mr. H. S. Desai	

Frequency of Board of Governance Meeting: Twice a year

• **Organizational chart and processes**



**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED  
N. G. PATEL POLYTECHNIC**

- Nature and Extent of involvement of Faculty and students in academic affairs/improvements:

**Details of faculties delegated powers for taking administrative decisions**

Sr. No.	Activities Detail	Faculty Name (With Designation)	Delegated Authorities
<b>A</b>	<b>Academics</b>		
1	Head of the Department	Mr. Mukesh B. Dhangar Head, Chemical Engineering Mrs. Pratiksha P. Vaghasiya Head, Computer Engineering Mr. Vijay K. Patel Head, Electrical Engineering Mr. Mehul M. Jikar Head, Mechanical Engineering Mr. Manoj R. Sirohi I/C Head, Science & Humanities	<ul style="list-style-type: none"> <li>• To ensure the quality of the academics at the department level.</li> <li>• Coordination among various departments to ensure optimum utilization of the Institute level resources.</li> <li>• To provide academic related data as per the needs of AICTE and University.</li> <li>• Taking care of the AICTE compliance, University affiliation, NBA requirements.</li> <li>• To promote students to work with IDP or UDP related projects.</li> <li>• To prepare required data for academic audit.</li> </ul>
<b>B</b>	<b>Student Affair</b>		
1	Admission	Mr. Nilesh P. Prajapati Lecturer, Electrical Engineering Mr. Ritesh J. Patel Lecturer, Computer Engineering	<ul style="list-style-type: none"> <li>• To counsel the students about the admission procedure w.r.t. eligibility criteria, documentation and procedure there off.</li> <li>• To facilitate the students as per the guidelines issued by State Level Diploma Admission Committee for operating help centers / Cyber space.</li> </ul>
2	Exam Section	Mr. Kiransinh N. Desai Lecturer, Science & Humanities	<ul style="list-style-type: none"> <li>• To conduct the Internal and End Semester University Exams in effective manner.</li> <li>• To handle the liaison with university for exam &amp; student related matters.</li> </ul>
3	Scholarship	Mr. Yagnesh D. Patel Lecturer, Electrical Engineering	<ul style="list-style-type: none"> <li>• To counsel the students about various available scholarship schemes, form the government and identify concern students.</li> <li>• To help the students for availing the scholarships.</li> </ul>

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4	Gymkhana	Mr. Mehul M. Jikar Head, Mechanical Engineering	<ul style="list-style-type: none"> <li>To provide a platform to students to participate in co-curricular and extra-curricular activities to inculcate various qualities which helps the student in self and personality development.</li> </ul>
5	Training & Placement	Mr. Mukesh B. Dhangar Head, Chemical Engineering	<ul style="list-style-type: none"> <li>To provide necessary training and counselling to the final year students required for better placements to industries and higher learning institutes.</li> <li>To identify the needs of industries regarding quality of engineering students and to build the relationship with industries for better placements of students.</li> </ul>
<b>C</b>	<b>Other Cells</b>		
1	Anti-Ragging Committee	Mr. Mehul M. Jikar Head, Mechanical Engineering	<ul style="list-style-type: none"> <li>Anti-Ragging Squad will be working under the Monitoring of Anti Ragging Committee and will seek advice from the Anti-Ragging Committee.</li> <li>The functions of Anti-Ragging Squad will be to keep a vigilance and stop the incidences of Ragging, if any, happening / reported in the places of Student aggregation.</li> <li>The Squad will also educate the students at large by adopting various means about the menace of Ragging and related Punishments there to.</li> </ul>
	Anti-Ragging Squad	Mr. Manoj R. Sirohi I/C Head, Science & Humanities	
2	Woman's Development	Mrs. Pratiksha P. Vaghasiya Head, Computer Engineering	<ul style="list-style-type: none"> <li>To prevent and determine the commission of any act of harassment.</li> <li>To deal with problems related to studies.</li> <li>To protect women's right to gender equality and provide a favourable environment for work/study.</li> <li>To provide a forum for women on the campus to share information and resources and exchange of ideas.</li> <li>To create awareness among the girls and the women staff.</li> </ul>

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3	Grievance Redressal	Mr. Kartik R. Desai Principal, N. G. Patel Polytechnic	<ul style="list-style-type: none"> <li>• To provide a mechanism for redressal of students'/Staff grievances and ensure the prevention of unfair practices.</li> <li>• To look into the complaints lodged by any student/Staff, and judge its merit.</li> <li>• The Grievance cell is also empowered to look into matters of harassment.</li> </ul>
4	SC / ST	Mr. Mukesh B. Dhangar Head, Chemical Engineering	<ul style="list-style-type: none"> <li>• To implement Reservation Policy and Sought for information under the SC ST Cell and college/institute level as per the guidelines of Gujarat Technological University vide circular no. GTU SC-ST Cell/2013 dated 24/11/2013.</li> </ul>

Various other Committees are also framed. The details of the same are mentioned as under:

Sr. No.	Committee Detail	Convener	Delegated Authorities
1	Outdoor Sports	V. K. Patel Head, E.E.D.	To organize various outdoor sports activities (Cricket, Volleyball, Kabaddi, Kho-Kho) as per the schedule in academic calendar of institute.
2	Indoor Sports	V. K. Patel Head, E.E.D.	To organize various indoor sports activities (Carrom, Table Tennis, Badminton, Chess, etc.) as per the schedule in academic calendar of institute.
3	Prize Distribution	M. B. Dhangar Head, Ch.E.D.	To finalize the list of awardees and necessary giveaways for felicitation during annual prize distribution ceremony.
4	Cultural Program	M. M. Jikar Head, M.E.D.	To finalize the cultural events and plan for its preparation.
5	Annual Tech Fest "UDAAN"	P. P. Vaghasiya Head, Co.E.D.	To finalize the technical events to be undertaken during the celebration of UDAAN along with formation of various sub committees and their roles and function's.
6	Blood Donation and Thalassemia Test	M. R. Sirohi Head, S&H	To invite the government recognized NGO's for blood collection, thalassemia testing

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			and thalassemia counselling for each student of first year.
7	Grain & Cloth Donation	H. R. Jivanramjiwala Sr. Lecturer, M.E.D.	To plan the schedule of collection and distribution of grains and cloths to needy peoples in nearby vicinity.
8	Health & Hygiene	N. C. Rana Lecturer, M.E.D.	To make sure the housekeeping related activities are carried out as per the guidelines.
9	Library	M. R. Sirohi Head, S&H	To issue the books to students and staff as per the rules of institute and to distribute and maintain the records related to book bank facility. Also, to ensure in time renewal of periodicals.
10	Discipline	V. K. Patel Head, E.E.D.	To maintain discipline amongst students of institute in the manner of dressings, behaviour and general etiquettes.
11	Transportation	P. P. Vaghasiya Head, Co.E.D.	To identify the students who wants to avail transportation facility and to arrange the same so that a smooth operation of transportation is ensured.
12	Boys Counselling	M. M. Jikar Head, M.E.D.	To provide counselling and guidance related to academic, personal and career to the students.
13	Girls Counselling	N. S. Patel Sr. Lecturer, Co.E.D.	
14	AICTE, GTU, NBA, FRC, PMKVY Portal	H. S. Desai Lecturer, Ch.E.D.	To handle the mandatory portals for Central and State Level approvals of institute, Accreditation of eligible programs, tuition fees approval and vocational courses approval within the stipulated timelines.
15	MHRD & UBA Portal	Y. D. Patel Lecturer, E.E.D.	To handle the MHRD portal for All India Survey on Higher Education and to update the activities of Unnat Bharat Abhiyan within the stipulated timelines.
16	Website	R. J. Patel Lecturer, Co.E.D.	To ensure unambiguous information is displayed on website, timely updating and maintenance of institute website.

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17	ISTE & IE Student and Staff Chapter	H. R. Jivanramjiwala Sr. Lecturer, M.E.D.	To enrol the students for ISTE student Chapter and to organize various student oriented activities.
18	Fire Safety	N. C. Rana Lecturer, M.E.D.	To look after the installations for fire safety in the institute and to get the renewal of fire certificate annually.
19	Core Group – Computer Maintenance	P. P. Vaghasiya Head, Co.E.D.	To look after the maintenance and updation of reported Computer and peripherals of institute.
20	Campus Electrical Maintenance, DGVCL liasoning, DG set & Lift maintenance	V. K. Patel Head, E.E.D.	To look after the electrical maintenance of reported issues related to electrical appliances, power supply, DG Sets and Lift at institute level and liasoning with State Electricity Board.

**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED  
N. G. PATEL POLYTECHNIC**

- Grievance Redressal mechanism for Faculty, staff and students:



Ref. No.: NGPP/ESTA/2022/154-5


Date: 11/02/2022

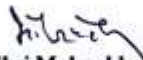
**CIRCULAR**

All HODs/ I/C HODs, Convener, Co-convener and members are hereby informed to take note of the details furnished here and plan accordingly for grievance redressal for staff. This committee will be in force till the changes are made in future.

**GRIEVANCE REDRESSAL COMMITTEE**

Sr. No.	Name	Designation
1	Shri Babubhai V. Patel	<b>President,</b> Sardar Vallabhbhai Patel Education Society, Isroli
2	Shri Chintan I. Poonawala	<b>Vice president,</b> Sardar Vallabhbhai Patel Education Society, Isroli
3	Shri Mohanbhai N. Patel	<b>Secretary,</b> Sardar Vallabhbhai Patel Education Society, Isroli
4	Mr. Kartik R. Desai	<b>Principal,</b> N. G. Patel Polytechnic
5	Mr. Mehul M. Jikar	<b>Head,</b> Mechanical Engineering Dept.
6	Mr. Vijay K. Patel	<b>Head,</b> Electrical Engineering Dept.
7	Mr. Mukesh B. Dhangar	<b>Head,</b> Chemical Engineering Dept.
8	Mr. Pratixa P. Vaghasia	<b>Head,</b> Computer Engineering Dept.
9	Mr. Manoj R. Sirohi	<b>I/C Head,</b> Science & Humanities Dept.

  
Shri Babubhai V. Patel,  
President,  
SVPE Society,  
Isroli – Afwa.

  
Shri Mohanbhai N. Patel  
Secretary,  
SVPE Society,  
Isroli – Afwa.



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**Responsibilities of Grievance Redressal Cell:**

- Addressing the grievance of the students and staff.
- Implementation of the corrective steps to be taken to address the grievances and other related matters.

**Grievance Redressal mechanism**

- Staffs and students can raise grievance through web portal.
- Contact numbers, email IDs of the staff in charge of Grievance Redressal cell are given on student portal, students can contact any of them if they have any grievances.
- On receipt of specific complains/ grievance from a student, the redressal cell meets, analyze the matter and corrective measures are taken wherever necessary.
- All-important institutional information is displayed on college website.
- In case of urgent issue, one can meet concerned officer at any time.

**Internal Complaint Committee:**

- The college has formed an Internal Complaints Committee (Sexual harassment of women at work place prevention prohibition and redressal act 2013). The composition is as given below:
- ICC is constructed and working for the prevention, prohibition and Redressal of sexual harassment of women/ any kind of grievances at work place as per the guidelines given by the Supreme Court and statutory mandate prohibiting gender discrimination and gazette of India, MHRD (AICTE) dated 10/06/2016.
- Women faculties and girl's students may report to ICC members at any time (24X7 hours) at the time of incidence. ICC information is displayed at the prominent places.

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N. G. PATEL POLYTECHNIC**



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TAL. BARDOLI, DIST. SURAT, PIN - 394620.  
Phone: 95129 00459  
E-mail: svpress@yahoo.com • Website: www.ngpatelpoly.ac.in



Ref. No.: NGPP/ESTA/2022/154-6

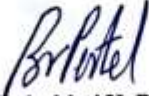
Date: 11/02/2022


**CIRCULAR**

All HODs/ I/C HODs, Convener, Co-convener and members are hereby informed to take note of the details furnished here and plan accordingly for internal complaints raised at institute. This committee will be in force till the changes are made in future.

**INTERNAL COMPLAINT COMMITTEE**

Sr. No.	Name	Designation	Department
1	Mr. Kartik R. Desai	Principal	NGPP, Isroli
2	Mr. Mehul M. Jikar	Head	Mechanical Engineering
3	Mr. Vijay K. Patel	Head	Electrical Engineering
4	Mr. Mukesh B. Dhangar	Head	Chemical Engineering
5	Mrs. Pratiksha P. Vaghashia	Head	Computer Engineering
6	Mr. Manoj R. Sirohi	I/C Head	Science & Humanities
7	Mr. Nipul C. Rana	Lecturer	Mechanical Engineering
8	Mr. Nilesh P. Prajapati	Lecturer	Electrical Engineering
9	Mr. Himanshu S. Desai	Lecturer	Chemical Engineering
10	Mrs. Meha S. Patel	Lecturer	Computer Engineering
11	Mr. Kiran N. Desai	Lecturer	Science & Humanities
12	Mr. Snehal M. Pathak	Sr. Accountant	Administrative
13	Mrs. Shveta D. Parekh	Librarian	Administrative
14	Students Representative	General Secretary	Student Council
15	Students Representative	Additional General Secretary	Student Council
16	Students Representative	Lady Representative	Student Council
17	Students Representative	Additional Lady Representative	Student Council

  
**Shri Babubhai V. Patel,**  
President,  
SVPE Society,  
Isroli – Afwa.

  
**Shri Mohanbhai N. Patel**  
Secretary,  
SVPE Society,  
Isroli – Afwa.

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N. G. PATEL POLYTECHNIC**

- **Establishment of Anti Ragging Committee:**

Sr. No.	Position	Name of Member	Designation
<b>Anti-Ragging Committee</b>			
1	Convener	Prof. Kartik R. Desai	Principal, N. G. Patel Polytechnic
2	Co-convener	Mr. Mehul M. Jikar	Head, Mechanical Engg. Dept.
3	Member	Mr. Vijay K. Patel	Head, Electrical Engg. Dept.
4	Member	Mr. Mukesh B. Dhangar	Head, Chemical Engg. Dept.
5	Member	Mrs. Pratiksha P. Vaghashiya	Head, Computer Engg. Dept.
<b>Anti-Ragging Squad</b>			
1	Counselor	Mr. Manoj R. Sirohi	I/C Head, Science & Humanities
2	Member	Mr. Himanshu S. Desai	Lecturer, Chemical Engg. Dept.
3	Member	Mr. Hemang R. Jivanramjiwala	Sr. Lecturer, Mechanical Engg. Dept.
4	Member	Mr. Anil D. Patel	Lecturer, Mechanical Engg. Dept.
5	Member	Mr. Nilesh P. Prajapati	Lecturer, Electrical Engg. Dept.
6	Member	Mr. Nikunj G. Mistry	Lecturer, Electrical Engg. Dept.
7	Member	Mr. Kiransinh N. Desai	Lecturer, Science & Humanities
8	Member	Mr. Dharmesh M. Prajapati	Lecturer, Science & Humanities
9	Member	Mr. Yagnesh D. Patel	Lecturer, Electrical Engg. Dept.
10	Member	Ms. Swati P. Pal	Lecturer, Chemical Engg. Dept.

**Functions of Anti Ragging Committee:**

- To ensure that there is no ragging in the campus or hostel.
  - Implementation of Govt./University directives against the menace of ragging.
  - To hold periodical meetings with first year student.
  - Periodical and surprise visits to hostels.
  - Documentation of action taken by the committee.
  - Any other related matter.
- **Establishment of Online Grievance Redressal Mechanism**

Link: <https://www.ngpatelpoly.ac.in/grievance-system>

**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED  
N. G. PATEL POLYTECHNIC**

- Establishment of Committee for SC/ST



**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED**  
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Ref. No.: NGPP/ESTA/2022/154-7

Date: 11/02/2022

**CIRCULAR**


All HODs/ I/C HODs, Convener, Co-convener and members are hereby informed to take note of the details furnished here about the SC ST Cell and plan accordingly for implementation of Reservation Policy and Sought for information at institute level. This committee will be in force till the changes are made in future.

**Objectives SC - ST Cell:**

To implement Reservation Policy and Sought for information under the SC ST Cell and college/institute level as per the guidelines of Gujarat Technological University vide circular no. GTU SC-ST Cell/2013 dated 24/11/2013.

**Members of SC - ST Cell:**

Sr. No.	Name	Designation
1	Mr. Kartik R. Desai	Principal, N. G. Patel Polytechnic, Isroli
2	Mr. Mukesh B. Dhangar	Head, Chemical Engineering Department
3	Mr. Yagnesh D. Patel	Lecturer, Electrical Engineering Department
4	Mr. Mahendra G. Vasava	Lecturer, Electrical Engineering Department
5	Ms. Rinal S. Patel	Lecturer, Chemical Engineering Department

  
Mr. Kartik R. Desai  
Principal,  
N. G. Patel Polytechnic,  
Isroli - Afwa.

**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED  
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- Internal Quality Assurance Cell



**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED**  
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Ref. No.: NGPP/ESTA/2022/154-9

Date: 11/02/2022

**CIRCULAR**

All HODs/ I/C HODs, Convener, Co-convener and members are hereby informed to take note of their responsibilities as a convener / member of Internal Quality Assurance Cell (IQAC).

**Objectives of IQAC:**

1. To ensure continuous improvement in the entire operation of the college, and
2. To assure the stakeholders connected with higher education – namely students, parents, teachers, staff, employer, funding agencies and society in general – of the accountability of the college for its own quality and integrity.

The functions of the IQAC are:


1. Development and application of quality benchmarks/parameters for various academic and administrative activities of the college.
2. Dissemination of the information on the various quality parameters.
3. Organization of workshops, seminars on quality related themes.
4. Documentation of the various programs/ activities leading to quality improvement.

**Members of IQAC:**

Sr. No.	Name	Designation
1	Mr. Kartik R. Desai (Chairperson)	Principal, N. G. Patel Polytechnic, Isroli
2	Mr. Babubhai V. Patel (Member)	President, Sardar Vallabhbhai Patel Education Society
3	Mr. Mohanbhai N. Patel (Member)	Secretary, Sardar Vallabhbhai Patel Education Society
4	Mr. M. M. Jikar (Member)	Head, Mechanical Engineering Department
5	Mr. Vijay K. Patel (Member)	Head, Electrical Engineering Department
6	Mr. Mukesh B. Dhangar (Member)	Head, Chemical Engineering Department
7	Mrs. Pratixa P. Vagharia (Member)	Head, Computer Engineering Department

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8	<b>Mr. Manoj R. Sirohi</b> (Member)	<b>I/C Head,</b> Science & Humanities Department
9	<b>Mr. Hemang R. Jivanramjiwala</b> (Member)	<b>Lecturer,</b> Mechanical Engineering Department
10	<b>Mr. Kiransinh N. Desai</b> (Member)	<b>Lecturer,</b> Science & Humanities Department
11	<b>Mr. Nitin K. Modi</b> (Member)	<b>Lecturer,</b> Science & Humanities Department
12	<b>Mr. Nevil S. Patel</b> (Member)	<b>Office Superintendent</b>
13	<b>Mr. Amit Patel</b> (Member)	<b>Founder Director,</b> UGES Powermax (P) Ltd., Vadodara
14	<b>Mr. Ravindra Mistry</b> (Member)	<b>CEO,</b> Unistar Softech (P) Ltd., Bardoli
15	<b>Mr. Nipul C. Rana</b> (Member Secretary)	<b>Lecturer,</b> Mechanical Engineering Department

  
Mr. Kartik R. Desai  
Principal,  
N. G. Patel Polytechnic,  
Isroli - Afwa.

**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED  
N. G. PATEL POLYTECHNIC**

**6. Programmes:**

• **Name of Programmes approved by AICTE:**

1. Diploma in Chemical Engineering
2. Diploma in Computer Engineering
3. Diploma in Electrical Engineering
4. Diploma in Mechanical Engineering

• **Name of Programmes Accredited by NBA:**

1. Diploma Chemical Engineering (for 3 years i.e. up to 30/06/2024)
2. Diploma Computer Engineering (for 3 years i.e. up to 30/06/2024)

• **Details of Program approved by AICTE:**

<b>Name of Program</b>	<b>:</b>	<b>Diploma in Chemical Engineering</b>		
<b>Number of Seats</b>	<b>:</b>	120 seats / year		
<b>Duration</b>	<b>:</b>	3 Years		
<b>Cut off Marks/Ranks of admission during last three years: (Closing Merit Rank)</b>				
<b>Particulates</b>		<b>2021-22</b>	<b>2020-21</b>	<b>2019-20</b>
<b>OPEN</b>		1024150021	6370015	6370025
<b>SC</b>		50444	23139	6370024
<b>ST</b>		1025150034	36298	29845
<b>SEBC</b>		38252	33327	40957
<b>TFWS</b>		493	636	3321
<b>EWS</b>		15927	32587	6370002
<b>Fees</b>	<b>:</b>	44,000 Rs. / Year (As approved by FRC, Ahmedabad)		
<b>Placement Facility</b>	<b>:</b>	Industry Institution Cell, Board Room, Counselling sessions.		
<b>Campus placement in last three years:</b>				
<b>Particulates</b>		<b>2021-22</b>	<b>2020-21</b>	<b>2019-20</b>
<b>No. of students placed</b>		24	36	39
<b>Minimum Salary (Rs. In Lakh)</b>		2.0	2.0	2.0
<b>Maximum Salary (Rs. In Lakh)</b>		4.0	4.0	4.0
<b>Average Salary (Rs. In Lakh)</b>		3.0	3.0	3.0

<b>Name of Program</b>	<b>:</b>	<b>Diploma in Computer Engineering</b>		
<b>Number of Seats</b>	<b>:</b>	60 seats / year		
<b>Duration</b>	<b>:</b>	3 Years		
<b>Cut off Marks/Ranks of admission during last three years:</b>				
<b>Particulates</b>		<b>2021-22</b>	<b>2020-21</b>	<b>2019-20</b>
<b>OPEN</b>		1025150019	6370011	6370029
<b>SC</b>		1025150020	10906	34929
<b>ST</b>		50211	10360	26958
<b>SEBC</b>		29256	36323	40691
<b>TFWS</b>		1539	707	1462
<b>EWS</b>		18527	23362	26314

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<b>Fees</b>	:	44,000 Rs. / Year (As approved by FRC, Ahmedabad)		
<b>Placement Facility</b>	:	Industry Institution Cell, Board Room, Counselling sessions.		
<b>Campus placement in last three years:</b>				
<b>Particulates</b>		<b>2021-22</b>	<b>2020-21</b>	<b>2019-20</b>
<b>No. of students placed</b>		12	9	6
<b>Minimum Salary (Rs. In Lakh)</b>		1.0	1.0	1.0
<b>Maximum Salary (Rs. In Lakh)</b>		1.0	1.0	1.0
<b>Average Salary (Rs. In Lakh)</b>		1.0	1.0	1.0

<b>Name of Program</b>	:	<b>Diploma in Electrical Engineering</b>		
<b>Number of Seats</b>	:	60 seats / year		
<b>Duration</b>	:	3 Years		
<b>Cut off Marks/Ranks of admission during last three years:</b>				
<b>Particulates</b>		<b>2021-22</b>	<b>2020-21</b>	<b>2019-20</b>
<b>OPEN</b>		1025150009	38721	6370018
<b>SC</b>		41665	6370009	6370019
<b>ST</b>		50828	51493	6370034
<b>SEBC</b>		39644	33018	43469
<b>TFWS</b>		5441	6146	13228
<b>EWS</b>		---	---	---
<b>Fees</b>	:	44,000 Rs. / Year (As approved by FRC, Ahmedabad)		
<b>Placement Facility</b>	:	Industry Institution Cell, Board Room, Counselling sessions.		
<b>Campus placement in last three years:</b>				
<b>Particulates</b>		<b>2021-22</b>	<b>2020-21</b>	<b>2019-20</b>
<b>No. of students placed</b>		71	34	45
<b>Minimum Salary (Rs. In Lakh)</b>		1.0	1.0	1.0
<b>Maximum Salary (Rs. In Lakh)</b>		2.0	2.0	2.0
<b>Average Salary (Rs. In Lakh)</b>		1.5	1.5	1.5

<b>Name of Program</b>	:	<b>Diploma in Mechanical Engineering</b>		
<b>Number of Seats</b>	:	60 seats / year		
<b>Duration</b>	:	3 Years		
<b>Cut off Marks/Ranks of admission during last three years:</b>				
<b>Particulates</b>		<b>2021-22</b>	<b>2020-21</b>	<b>2019-20</b>
<b>OPEN</b>		1025150029	6370008	6370022
<b>SC</b>		42371	6370014	40138
<b>ST</b>		41384	6370013	6370028
<b>SEBC</b>		39691	6370012	41858
<b>TFWS</b>		4330	5054	---
<b>EWS</b>		---	36941	37714
<b>Fees</b>	:	44,000 Rs. / Year (As approved by FRC, Ahmedabad)		
<b>Placement Facility</b>	:	Industry Institution Cell, Board Room, Counselling sessions.		
<b>Campus placement in last three years:</b>				
<b>Particulates</b>		<b>2021-22</b>	<b>2020-21</b>	<b>2019-20</b>
<b>No. of students placed</b>		43	33	65
<b>Minimum Salary (Rs. In Lakh)</b>		1.0	1.0	1.0



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<b>Maximum Salary (Rs. In Lakh)</b>	2.0	2.0	2.0
<b>Average Salary (Rs. In Lakh)</b>	1.5	1.5	1.5


**7. Faculty:**

Sr. No.	Name of Faculty	Designation	Department
<b>1</b>	<b>Kartik R. Desai</b>	<b>Principal</b>	<b>**</b>
<b>2</b>	<b>Mukesh B. Dhangar</b>	<b>Head of Department</b>	<b>Chemical Engg.</b>
3	Himanshu S. Desai	Lecturer	Chemical Engg.
4	Parul K. Patel	Lecturer	Chemical Engg.
5	Riya B. Bhandari	Lecturer	Chemical Engg.
6	Rinal S. Patel	Lecturer	Chemical Engg.
7	Zinal J. Patel	Lecturer	Chemical Engg.
8	Swati P. Pal	Lecturer	Chemical Engg.
9	Nupur A. Shukla	Adhoc Lecturer	Chemical Engg.
10	Megha M. Vaghela	Adhoc Lecturer	Chemical Engg.
11	Hetvi S. Pathak	Adhoc Lecturer	Chemical Engg.
12	Divya R. Gamit	Adhoc Lecturer	Chemical Engg.
13	Bhavin Y. Soni	Adhoc Lecturer	Chemical Engg.
<b>14</b>	<b>Pratiksha P. Vaghashiya</b>	<b>Head of Department</b>	<b>Computer Engg.</b>
15	Ritesh J. Patel	Lecturer	Computer Engg.
16	Meha J. Patel	Lecturer	Computer Engg.
17	Maitri N. Joshi	Lecturer	Computer Engg.
18	Monika M. Chauhan	Adhoc Lecturer	Computer Engg.
19	Krishna N. Mistry	Adhoc Lecturer	Computer Engg.
<b>20</b>	<b>Vijay K. Patel</b>	<b>Head of Department</b>	<b>Electrical Engg.</b>
21	Nilesh P. Prajapati	Lecturer	Electrical Engg.
22	Nikunj G. Mistry	Lecturer	Electrical Engg.
23	Rakesh H. Maisuriya	Lecturer	Electrical Engg.
24	Yagnesh D. Patel	Lecturer	Electrical Engg.
25	Nirav C. Pandya	Adhoc Lecturer	Electrical Engg.
26	Mahendra G. Vasava	Adhoc Lecturer	Electrical Engg.
<b>27</b>	<b>Mehul M. Jikar</b>	<b>Head of Department</b>	<b>Mechanical Engg.</b>
28	Hemang R. Jivanramjiwala	Sr. Lecturer	Mechanical Engg.
29	Hiren R. Mistry	Lecturer	Mechanical Engg.
30	Nipul C. Rana	Lecturer	Mechanical Engg.
31	Hemal J. Patel	Lecturer	Mechanical Engg.
32	Anil D. Patel	Lecturer	Mechanical Engg.
33	Vipul H. Patel	Adhoc Lecturer	Mechanical Engg.
34	Dharmesh K. Patel	Adhoc Lecturer	Mechanical Engg.
35	Dharmesh J. Patel	Adhoc Lecturer	Mechanical Engg.
<b>36</b>	<b>Manoj R. Sirohi</b>	<b>Head of Department</b>	<b>Science &amp; Humanities</b>
37	Dharmesh M. Prajapati	Lecturer	Science & Humanities
38	Kiran N. Desai	Lecturer	Science & Humanities
39	Nitin K. Modi	Adhoc Lecturer	Science & Humanities
40	Payal N. Pandya	Adhoc Lecturer	Science & Humanities

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41	Aarti R. Maisuriya	Adhoc Lecturer	Science & Humanities
42	Sanjay S. Patel	Adhoc Lecturer	Science & Humanities

**8. Profile of Principal:**

<b>Name of Faculty</b>	:	<b>Kartik Rameshchandra Desai</b>		
<b>Date of Birth</b>	:	07/01/1974		
<b>Designation</b>	:	<b>Principal</b>		
<b>Date of Joining</b>	:	02/12/1999		
<b>Unique ID</b>	:	1-460477485		
<b>Education Qualification</b>	:	M. Tech. (Chemical Engineering – Gold Medalist)		
<b>Work Experience</b>				
<b>Teaching</b>		<b>Research</b>	<b>Industry</b>	<b>Others</b>
<b>23 Years</b>		--	--	--
<b>Area of Specialization</b>	:	Chemical Engineering		
<b>Subjects Taught (At Diploma Level)</b>	:	Chemical Reaction Engineering		
	:	Chemical Engineering Plant Economics		
	:	Petroleum Refining & Petrochemical Technology		
<b>No. of papers published (Journal, conferences)</b>	:	04		
<b>No. of Book Published (With all details like Name, Publisher, ISBN and Year of Publication)</b>	:	--		

**9. Fee:**

- Fees approved by Fee Regulatory Committee, Ahmedabad: 44,000/-
- Fees approved for: Year 2019-2020, 2018-2019 & 2017-2018 (Cont. due to pandemic)
- Time Schedule for payment of fee for the entire program: 3 Years
- Number of Fee waiver granted with name of students:

<b>CHEMICAL ENGINEERING DEPARTMENT</b>			
<b>Particulars</b>	<b>2021-22</b>	<b>2020-21</b>	<b>2019-20</b>
<b>No. of Fee Waiver students</b>	3	3	6
<b>Name of Students</b>	Henil Mistry	Ruchit Patel	Masum Patel
	Jaydip Patel	Krishna Thakkar	Jay Patel
	Priyank Patel	Hardip Jid	Jaykumar Patel
	---	---	Nirmal Solanki
	---	---	Harsh Patil
	---	---	Neel Patel
<b>Amount (per student)</b>	44,000/-	44,000/-	44,000/-

**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED  
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<b>COMPUTER ENGINEERING DEPARTMENT</b>			
<b>Particulars</b>	<b>2021-22</b>	<b>2020-21</b>	<b>2019-20</b>
<b>No. of Fee Waiver students</b>	2	2	3
<b>Name of Students</b>	Afsana Patel	Safwan Tai	Rohan Patil
	Kushal Shethna	Vishal Narigara	Nikam Prasanna
	---	---	Dev Mehta
<b>Amount (per student)</b>	44,000/-	44,000/-	44,000/-

<b>ELECTRICAL ENGINEERING DEPARTMENT</b>			
<b>Particulars</b>	<b>2021-22</b>	<b>2020-21</b>	<b>2019-20</b>
<b>No. of Fee Waiver students</b>	3	2	6
<b>Name of Students</b>	Pritesh Prajapati	Kartavya Patel	Vishal Patil
	Saty Patel	Uday Solanki	Janki Patel
	Keyuri Patel	---	Jay Devnath
	---	---	Sidh Parekh
	---	---	Krish Patel
	---	---	Shubham Chitte
<b>Amount (per student)</b>	44,000/-	44,000/-	44,000/-

<b>MECHANICAL ENGINEERING DEPARTMENT</b>			
<b>Particulars</b>	<b>2021-22</b>	<b>2020-21</b>	<b>2019-20</b>
<b>No. of Fee Waiver students</b>	2	2	0
<b>Name of Students</b>	Harsh Devnath	Yashvardhan Varde	---
	Fiyansh Divelyiya	Suresh Gamit	---
<b>Amount (per student)</b>	44,000/-	44,000/-	44,000/-

- Number of scholarship offered by the Institution, duration and amount: NIL
- Criteria for Fee waivers/scholarship:
 

**For Fee Waiver Scheme:**

  1. Income as per the rules of Admission Committee for Professional Diploma Courses (ACPDC).
  2. Income Certificate from concerned authority.
  3. Merit marks of Maths, Science and English in Standard 10<sup>th</sup> (Out of 300)

**For Scholarship:**

  1. Income as per the rules of Admission Committee for Professional Diploma Courses (ACPDC).
  2. Income Certificate from concerned authority.
  3. Caste Certificate from concerned authority.
  4. For SEBC candidates, Non-Creamy layer certificate from concerned authority.
  5. Merit marks of Maths, Science and English in Standard 10<sup>th</sup> (Out of 300)
- Estimated cost of Boarding and Lodging in Hostels: Rs. 50,000/- per Year
- Any other fess: NIL

**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED  
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**10. Admission**

- Number of seats sanctioned with the year of approval

Sr. No.	Name of Department	Approved Intake (2021-2022)
1	Chemical Engineering	120
2	Computer Engineering	60
3	Electrical Engineering	60
4	Mechanical Engineering	60
<b>Total Intake (Per Year)</b>		<b>300</b>

- Number of Students admitted under various categories each year in the last three years:

<b>CHEMICAL ENGINEERING DEPARTMENT</b>			
Category	2021-22	2020-21	2019-20
<b>OPEN</b>	57	84	75
<b>SC</b>	3	3	5
<b>ST</b>	26	15	3
<b>SEBC</b>	10	33	41
<b>TFWS</b>	3	3	6
<b>Total</b>	<b>99</b>	<b>138</b>	<b>130</b>

<b>COMPUTER ENGINEERING DEPARTMENT</b>			
Category	2021-22	2020-21	2019-20
<b>OPEN</b>	38	39	41
<b>SC</b>	4	4	6
<b>ST</b>	7	7	4
<b>SEBC</b>	16	15	18
<b>TFWS</b>	2	2	3
<b>Total</b>	<b>67</b>	<b>67</b>	<b>72</b>

<b>ELECTRICAL ENGINEERING DEPARTMENT</b>			
Category	2021-22	2020-21	2019-20
<b>OPEN</b>	20	18	24
<b>SC</b>	6	8	7
<b>ST</b>	37	32	38
<b>SEBC</b>	4	3	9
<b>TFWS</b>	3	2	6
<b>Total</b>	<b>70</b>	<b>63</b>	<b>84</b>

<b>MECHANICAL ENGINEERING DEPARTMENT</b>			
Category	2021-22	2020-21	2019-20
<b>OPEN</b>	32	41	52
<b>SC</b>	3	1	3
<b>ST</b>	16	9	12

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<b>SEBC</b>	9	4	9
<b>TFWS</b>	2	2	0
<b>Total</b>	<b>62</b>	<b>57</b>	<b>76</b>

**11. Admission Procedure**

- The candidate seeking admission after SSC must apply at Gujarat "**Admission Committee for Professional Diploma Courses (ACPDC)**". A grand merit list is prepared and Candidates get admission in branches of their choices at various colleges of Gujarat according to merit in council.
- Admission Inquiry Link : [www.acpdc.in](http://www.acpdc.in)
- Admission Registration Link : [www.gujdiploma.nic.in](http://www.gujdiploma.nic.in)
- 50% of seats will be filled by Admission Committee for Professional Diploma Courses (ACPDC), State Quota.
- 50% of seats will be filled by Management, at institute level.
- All seats under TFWS will be filled by ACPDC.
- TFWS\*: Tuition Fee Waiver Scheme

**12. Criteria and Weightages for Admission**

- Eligibility for Admission: SSC Pass with minimum 35%
- For Merit marks of Maths, Science and English will be considered (out of 300)
- Admission through online process of ACPDC.
- Admission in Management Quota as per the Guidelines of ACPDC.

**13. Information of Infrastructure and Other Resources Available**

- Number of Class Rooms and size of each

<b>Sr. No.</b>	<b>Room ID</b>	<b>Carpet Area (m<sup>2</sup>)</b>
1	CH-11	67.68
2	CH-13	72.00
3	CH-14	56.00
4	CH-17	94.40
5	CH-18	93.60
6	CH-22	69.60
7	CH-23	56.00
8	M-5	94.40
9	M-14	57.60
10	M-15	58.64
11	M-17	56.00
12	M-21	58.10
13	M-22	58.40
14	M-23	57.60
15	M-24	58.64
16	M-25	70.00
17	E-11	69.60
18	E-14	57.60

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19	E-15	56.54
20	E-26	62.80
21	E-27	62.40

- Number of Tutorial rooms and size of each

Sr. No.	Room ID	Carpet Area (m <sup>2</sup> )
1	M-26	56.00
2	M-28A	31.73
3	M-28B	31.73
4	M-28C	31.73

- Number of Laboratories and size of each

Sr. No.	Room ID	Name of Laboratory	Carpet Area (m <sup>2</sup> )
1	CH-1	P. R. & P. T. LAB	48.08
2	CH-2	M. O. LAB	70.00
3	CH-3	FT LAB	73.46
4	CH-4	U. & I. C. P. I& C. P. I. LAB	73.46
5	CH-5	MT LAB	63.46
6	CH-7	H. T. O. LAB	70.40
7	CH-9	O. C. & E. M. LAB	53.60
8	CH-10	P. A. I. C. LAB	53.60
9	CH-12	CIVIL LAB	48.00
10	CH-15	PHYSICS LAB	46.00
11	CH-16	S. & E. T. LAB	55.00
12	M-1	S. M. & E. M. LAB	57.60
13	M-2	M. T. LAB	60.00
14	M-6	THERMAL LAB	84.40
15	M-7	F. M. H. M. LAB	120.00
16	M-11	COMPUTER LAB	58.10
17	M-12	CAD LAB	66.45
18	M-16	M. & I. / T. O. M. LAB	65.00
19	E-6	MACHINE LAB	182.20
20	E-7	INSTRUMENTAION LAB	64.60
21	E-8	BASIC ELECTRICAL LAB	52.60
22	E-16	POWER SYSTEM LAB	57.80
23	E-17	BE&P LAB	57.40
24	E-18-B	COMPUTER PROJECT LAB	72.00
25	E-19	COMPUTER LAB	107.10
26	E-21B	M&M LAB	59.60
27	E-24	IT LAB 1	37.60
28	E-25	IT LAB 2	56.54
29	WL-1	CAM LAB	48.04

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- Number of Drawing Halls with capacity of each:

Sr. No.	Room ID	Name of Area	Carpet Area (m <sup>2</sup> )
1	M-18-A	DRAWING HALL	135.00

- Number of Computer Centers with capacity of each:

Sr. No.	Room ID	Name of Area	Carpet Area (m <sup>2</sup> )
1	E-28	COMPUTER CENTER	170.00

- Central Examination Facility, Number of rooms and capacity of each:

Sr. No.	Room ID	Name of Area	Carpet Area (m <sup>2</sup> )
1	M-3-A	EXAM CONTROL ROOM	32.66

NOTE: during exams the classrooms are utilized as seating blocks for students.

- Online examination facility (Number of Nodes, Internet bandwidth, etc.): **Not Applicable**
- Barrier Free Built Environment for disabled and elderly persons: **Available**
- Occupancy Certificate: **Available**
- Fire and Safety Certificate: **Available**
- Hostel Facilities: **Available (80 student's capacity)**

- **Library**

- Number of Library books/ Titles/ Journals available (Programme-wise)

Program	Volume	Title
Chemical Engineering	1207	622
Computer Engineering	1677	869
Electrical and Electronics Engineering	3957	1449
Mechanical Engineering	2599	918
Science & Humanities	2774	671
Miscellaneous	326	297
<b>Total</b>	<b>12540</b>	<b>4826</b>

- List of National / International Journals and Magazines subscribed:

Sr. No.	Title of Journals
1	International Journal of Chemical Studies
2	Chemical Industry Digest

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3	Pumps India
4	International Journal of Mechanical & Thermal Engg.
5	Electrical India
6	IEEMA Journal
7	Digit
8	Cyber Safar
9	Sarvottam Karkirdi Margdarshan
10	Competition Success Review
11	Safari
12	Grihsobha
13	Navneet Samarpan
14	Sikshan Sarvada

- **National Digital Library (NDL) subscription details:**

Club Name : N. G. Patel Polytechnic  
 Registration No. : INGJNCJPVQ5HTUM  
 Patron : Kartik R. Desai, Principal  
 President : Manoj R. Sirohi, Head - Science & Humanities Department  
 Secretary : Shwetal H. Tragad, Librarian  
 Executive Member : Riya B. Bhandari, Lecturer – Chemical Engineering Department

- **Laboratory and Workshop**

- List of Major Equipment/Facilities in each Laboratory/Workshop

Name of Laboratory	Major Equipment's
PR&PT LAB	Abel's Flash Point Apparatus.
	Pensky Marten's Flash Point Apparatus.
	Ring & Ball Apparatus.
	Conradson Apparatus.
	Redwood Viscometer.
	Could & Pour Point Apparatus.
	Penetro Meter.
	Rams botoms Apparatus.
	Engler Viscometer.
	Saybolt Viscometer.
	Smoke Point Apparatus.
	ASTM Distillation Set Up
	MO LAB
Roll Crusher.	
Centrifugal Machine.	
Poltech Make High Volume Sampler	
Poltech Make Stack Monitoring Kit	
Yash Stack Monitoring Kit	
Yash High Volume Air Sampler	
Plate & Frame Filter Press.	



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	Ball Mill.
	Vibrating Screen.
	Double Cone Mixer.
	Froth Flotation Cell.
	Sieve Shaker.
	Weight Balance (500gm)
	Weight Balance (1000gm)
	Vacuum Filtration with Pump(New)
	Vacuum Filtration with Pump(Old)
MT LAB	Steam Distillation
	Heating Mantel (2 pec.)
	Magnetic Stirrer With Hot Plate
	Magnetic Stirrer With Hot Plate
	Fixed Bed Adsorption
	Rotary Drier
	Tray Drier
	Absorption in Packed Column with Compressor
	Vapour Liquid Equilibrium Apparatus
	Batch Crystalizer
	Water Cooling Tower With compressor
	Diffusion co-efficient
	Distillation (Fractional Distillation)
	DifferentialDistillation (Glass Setup)
	Electronic Weighing Scale
	Double Wedge Polari Meter
	Ion Exchanger Unit
	RO with Cooler
	Perma Pilot Plant
	Fluidization
Muffle Furnace	
Tullu Water pump	
ABC Type Fire extinguser	
U&ICP LAB	“HEM” make Temp. Controller With Thermister Sensor
	Hg Filled Temp.Gauge
	Bimettalic Temp.Gauge
	Digital Multimeter
	Toshniwal RTD-100-3 Wire
	RTD-100-2 Wire Simplex
	Thermocouple K Simplex
	Thermocouple T Simplex
	Thermocouple J Simplex
	Temp. Sensor
FT LAB	General Glass Wares
	General Chemical Reagents
HT LAB	Heat Transfer through Composite Wall.
	Thermal Conductivity of Insulating Powder

**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED  
N. G. PATEL POLYTECHNIC**

	Stefan Boltzman Apparatus.
	Baby Boiler.
	Finned Tube Heat Exchanger.
	Shell & Tube Heat Exchanger.
	Heat Transfer in Agitated Vessel.
	Tripple Effect Evaporator.
	Overhead Projector.
	Vertical Condenser
	Horizontal Condenser
	Bare and Leg pipe
	Heating Bath
	Steam Strap
	Pressure Gauge (2 piece)
S&ET LAB	B.O.D Incubator
	Bomb Colorimeter
	C.O.D Digester
	Digital Spectrophotometer
	Digital Weighing Balance
	Water Shaker Bath
	Ultra Sonic Bath
	Digital Photoelectric Colorimeter
	Distill Water Generator
	Dry chemical Powder Type(F.E)
	Soda Acid (9lit.F.E)
	Foam Type(9lit.F.E)
	CO <sub>2</sub> Type 3Kg(F.E)
	B.C.F Type 2Kg(F.E)
	pH Meter
	Refrigerator
	Centrifuge Machine
Temperature Controller	
Bottle Top Dispenser	
SM/EM LAB	Pedulum Impact testing machine
	FIE ' Electronic Universal testing machine
	Winch Crab Single Purchase
	Parallogram of forces Apparatus
	Polygon & Trainagle of forces Apparatus
	Polygon forces Apparatus
	Parallel forces Apparatus
	Weights TOTAL 20 Kgs.
	Winch Crab Double Purchase
MT LAB	Trinocular Metallurgical Microscope
	Rockwell Cum BrinellHardness testing machine
	EIE lightweight muffle furnace
	Polishing machine
	Rockwell Hardness testing machine

**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED  
N. G. PATEL POLYTECHNIC**

	Dimond indentor
	Shewharts Bowl and chips
	Plastic balls
	Wooden Scoop
	Sampling rack with washers
	Icosahedrons
	Two handed process chart
	String diagram
	Plant layout (Wooden board)
	Stop watch
Thermal/PPE/EOME LAB	Four stroke four cylinder Petrol engine
	Single cylinder four stroke Diesel
	Domestic Refrigerator test rig
	Air conditioner test rig.
	Control Panal for Package Air Conditioner Plant
	Two Stage Air Compressor Test Rig.
	1.Model of four stroke Petrol engine
	2.Model of two stroke Petrol engine.
	3.Model of four stroke Diesel engine
	1.Model of Lancashire boiler
	2.Model of Babcox and wilcox boiler
	3.Model of Cochran boiler
	4.Model of Vertical water tube boiler
	Steam engine model with a boiler
	Mechanical charts
	1.Boiler mounting and accessories
	2.Gas turbine
3.Hydraulic turbine	
4.Refrigeration cycle	
5.Steam power plant cycle	
FMHM LAB	Hydraulic Lab equipments
	Venturimeter apparatus
	Orificemeter apparatus
	V-notch/Rectangular notch apparatus
	Bernoulli's apparatus
	Open orifice apparatus
	Friction head loss measuring apparatus
	Impect of jet apparatus
	Reynold's number apparatus
	Single stage centrifugal test rig.
	Francis Turbine test rig.
Reproccating Pump Test Rig	
COMPUTER LAB	Computer: P-III, 700 Mhz (13 Nos.)
	Computer: P-4, 1.3 Ghz
	Computer: P-4, 2.4 Ghz (13 Nos.)
	Computer: P-4, 3.2 Ghz (13 Nos.)

**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED  
N. G. PATEL POLYTECHNIC**

	Window Air Conditioner (2 Ton 2 Nos.)
	Capri Stabilizer 5 KVA (2 Nos.)
	BENQ CD ROM
	Micro - Phone With Headphone
CAD LAB	Computer: HCL, Core 2 DUO 2.80 Ghz (40 Nos.)
	Capri Stabilizer 5 KVA (2 Nos.)
	Portalbe DVD R/W USB
	Sukam 10 KVA Online UPS (2 Nos.)
	Exide 100AH/12V Battery
	<b>Measuring Instument</b>
	a.Inside Micrometer ( 50-250 mm )
	b.Depth Micrometer ( 0-100 mm )
	c.Telescopic gauge
	d.Bore gauge ( 35-50 mm )
	e.Bevel protector
	f.Small hole gauge
	g.Screw thread Micrometer ( 0-25 mm )
	h.Slipse gauge set 83 pcs
	I.Dail gauge with magnatic stand
	j.Gear tooth vernier
	k.Sine bar
	<b>Measuring Instuments</b>
	a.Verniar Calliper ( 0-300 )
	b.Verniar Depth gauge
	c.Out side Micrometer ( 0-25 mm )
	d.Out side Micrometer ( 25-50 mm )
	e.Out side Micrometer ( 50-75 mm )
	<b>Measuring Instument</b>
	a.Inside Micrometer ( 50-300 mm )
	b.Depth Micrometer ( 0-25 mm )
	c.Telescopic gauge
	d.Bevel protector
	e.Dail gauge with magnatic stand
	f.Verniar Calliper ( 0-300 )
	g.Outside Micrometer ( 0-25 mm )
	d.Out side Micrometer ( 25-50 mm )
	GO-Not GO Thread gauge
	GO-Not GO limit gauge
	Snap gauge
	<b>D.M.E.Lab Cut models</b>
	Flange coupling
	Rocker arm lever
	Plummer block
	Turn buckle
	<b>Mechanical charts</b>
	1.Elements of jigs and fixtures ( Clamping device )
DME & TOOL LAB	

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	2.Elements of jigs ( Drill bushes )
	3.Milling cutter - II
	4.Sheet metal tools - I
	5.Lathe parts
	6.Sheet metal tools - II
	7.Taper turning
	8.Screw cutting in lathe
	9.Milling cutter - I
	10.Elements of jigs and fixtures ( Locating device )
	11.Elements of jigs and fixtures ( Indexing device )
	Drawing tables
	Drawing stools
ELECTRICAL MACHINE LAB	DC Shunt Motor and DC Shunt Generator Set
	DC Shunt Motor and DC Series Generator Set
	DC Shunt Motor & DC compound Generator Set
	3Ø Slipring Induction Motor
	3Ø Pole Changing Induction Motor Trainer
	DC Shunt Motor
	Cut Model of DC Shunt Motor
	1Ø Induction Motor: 2 HP
	3Ø Synchronous Motor
	3Ø Induction Motor
	D.C Series Motor
	1Ø Transformer
	1Ø Double Wound Isolation Transformer
	3Ø Transformer
	1Ø Portable Manual Auto Transformer 28 D- 1P 7.56KVA
	1Ø Portable Manual Auto Transformer 20 D-1P 5.4KVA
	1Ø Portable Manual Auto Transformer
	1Ø Continuously Variable Voltage Auto Transformer
	3Ø Continuously Variable Voltage Auto Transformer
	3Ø Continuously Variable Voltage Auto Transformer
	3Ø Loading Rheostate
	1Ø Preventer. 40 Amp.
	(A) Rheostate 24 Ohm, 10 Amp.
	(B) Rheostate 290 Ohm, 1.5 Amp.
	(C) Rheostate 200 Ohm, 4 Amp.
	(D) Rheostate 300 Ohm, 2.8 Amp.
	(A) Rheostate 300 Ohm, 1.0 Amp.
	(A) Rheostate 300 Ohm, 4 Amp.
	(B) Rheostate 290 Ohm, 1.5 Amp.
	" Siemens " Air Break ( Aux. ) Contactor
	" Siemens " Over Load Relay
	" Selectron " Timer
	" Siemens " Timer
	a) Analog type, Dial rotating disk type indicator,

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b) Digital phase sequence indicator,
3Ø Synchroscope:
3Ø Squirrel Cage Induction Motor coupled with D.C Shunt Generator Set
3Ø Slipring Induction Motor and DC Shunt Generator Set
DC Shunt Motor and 3Ø Alternator with exciter set
Rectifier Unit
A.C./D.C. Supply Pannel For M/C Lab.
Volt Meter (D.C) : 0 - 150 / 300 Volts
Volt Meter (D.C) : 0 - 300 / 600 Volts
Ammeter (D.C) : 0 - 1 / 2 Amp
Ammeter (D.C) : 0 - 5 / 10 Amp
Ammeter (D.C) : 0 - 15 / 30 Amp
Moving Iron Type A.C / D.C Volt Meter : 0 - 300 / 600 Volts
Moving Iron Type A.C / D.C Volt Meter : 0 - 150 / 300 Volts
Moving Iron Type A.C / D.C Ammeter : 0 - 1 / 2Amp.
Moving Iron Type A.C / D.C Ammeter : 0 - 3Amp.
Moving Iron Type A.C / D.C Ammeter : 0 - 5 / 10Amp.
Moving Iron Type A.C / D.C Ammeter : 0 - 10 / 20Amp.
Dynamometer Type Watt Meter (AC/ D.C) - ( Kew )
(1) 5 - 10 Amp. 300 - 600 Volts 6000 W
(2) 10 - 20 Amp. 300 - 600 Volts 12000 W
(3) 1 - 2 Amp. 150 - 300 Volts 600 W
(4) 10 - 20 Amp. 15 - 30 Volts 600 W
2 Element Type Dynamometer Type Watt meter :
5 - 10 Amp. 300 - 600 Volts 6000 W
Single Element Dynamometer type Wattmeters
i. 62.5/125/250V-5/10A ( 0 - 300 W )
ii. 62.5/125/250V ( 0 - 600 W )
iii. 125/250/500V-2.5/5A ( 0 - 300 W )
Dynamometer Type Power factor Meter
Power Factor Meter
Watt Meter Dynemometer Type
Indicating Pointer Type Frequencymeter
Digital Multimeter
Digital Clamp Meter
Analog Multimeter
Dynemometer Type P.F Meter :
P.F Meter :
Digital Techometer. Photo\ Contact.
Analog Hand Techometer
Analog Hand Techometer
M. I. Type Voltmeter : 0 - 600V
M. I. Type Ammeter : 0 - 30A
D.O.L Starter
Knife Switches :

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	(1) T.P.D.T Switch
	(2) T.P.S.T Switch
	(3) D.P.D.T Switch
	(4) D.P.S.T Switch
	(5) S.P.S.T Switch
	(6) S.P.D.T Switch
INSTRUMENTATION LAB	Schering Bridge
	Hey's Bridge
	Whestone's Bridge
	Kelvin's Double Bridge
	(1) Light spot Galvenometer
	(2) Conductor Clamp
	Maxwell's Bridge
	Whestone's Bridge
	D.C Potentio Meter:
	D.C Potentio Meter:
	Volt ratio box (with four stages) Type; 9407B
	Volt accumulator (const.voltage source)-9407 C
	Light spot galvanometer Type: 9407 A
	Volt ratio box
	Strain Gauge
	Synchro Transmitter Receiver Pair:
	L C R Meter
	A.C Position Servo Stabilizer
	Linear Variable Differential Transformer (LVDT)
	Sine Square Wave Oscillator
	1Ø Dual O/P DC power supply
	1Ø Energy Meter
	1Ø Energy Meter
	3Ø Energy Meter
	1Ø Energy Meter
	Decade Resistance Boxes
	(1) Fixed Inductor Boxes 500 Micro Henery 750 m.a. 502 D
	(2) Fixed Inductor Boxes 100 Micro Henery 100 m.a. 502 L
	(2) Fixed Inductor Boxes 10 Micro Henery 100 m.a. 502 H
	1Ø Continously Variable Voltage
	Ammeters: 0-100 MA
	Ammeters: 0-500 MA
	Voltmeter: 0-50 V
	Volt Meter 0 - 150 / 300 / 600 Volts
	Demonstration Type 0 TO 100 V
	Demonstration Type 0 TO 500 V
	Voltmeter (DC) 0-125/250V
	Ammeter (DC) 0-250/500mA
	Ammeter (DC) 0-50/100mA

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N. G. PATEL POLYTECHNIC**

	Dynamometer type WATTMETERS125/250/500V-2.5/5A (0 - 300 W)	
	Dynamometer type WATTMETERS125/250/500V-5/10A (0 - 600 W)	
	Digital Multimeter	
	Digital Clamp Meter	
	Digital Storage Oscilloscope	
	Function Generator	
	1Ø DC Power Supply	
	1Ø Auto Transformer	
	Decade Condenser Boxes	
BASIC ELECTRICAL LAB	3Ø Continously Variable Voltage Auto Transformer	
	1Ø Continously Variable Voltage Auto Transformer	
	3Ø Loading Rheostate: 3Ø, 440 V,50 Hz. 5 KW	
	1Ø Transformer	
	1Ø Transformer	
	1Ø D.C Regulated Power Supply	
	Digital Function Generator :	
	1Ø Variable choke Coil	
	3Ø Capacitor Bank	
	1Ø Capacitor Bank	
	1Ø Loading Rheostate	
	Digital Function Generator	
	1Ø DC power supply,	
	Wound Type Rheostate 300 Ohm, 1.0 Amp.	
	Cathod Ray Oscilloscope	
	3Ø Variable Choke Coil	
	1Ø Choke Coil:	
	Volt Meter ( AC ) : 0 - 15 / 30 Volts	
	Volt Meter ( AC ) : 0 - 150 / 300 Volts	
	Volt Meter ( AC ) : 0 - 300 / 600 Volts	
	Ammeter ( AC ) : 0 - 5 / 10 Amp	
	Ammeter ( AC ) : 0 - 10 / 20 Amp	
	Volt Meter ( AC ) : 0-125/250/500V	
	Volt Meter ( AC ) : 0-150/300/600V	
	Ammeter ( AC ) : 0-1/5A	
	Ammeter ( AC ) : 0-2/10A	
	Volt Meter ( DC ) : 0-15/30/60V	
	Volt Meter ( DC ) : 0-75/150V	
	Volt Meter ( DC ) : 0-62.5/125V	
	Ammeter ( DC ) : 0-250/500mA	
	Ammeter ( DC ) : 0-1/2A	
	Ammeter( DC ) : 0.2/1A	
	Digital Multimeter	
	Digital Clamp Meter	
		Megger



**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED  
N. G. PATEL POLYTECHNIC**

POWER LAB	Overcurrent Relay (CDG)
	Earth fault Relay (CDG)
	Measuring C.T
	Earth Resistance Tester:
	Portable Oil Testing Set :
	O.C.B & Feeder Pannel
	Lighting Arrester ( 66KV)
	String Insulator ( 6.6KV)
	11 KV Disc Insulator
	11 KV Sackle Insulator
	11 KV Pin Insulator
	11 KV Post Insulator
	LT Pin Insulator
	LT Sackle Insulator
	HT Cable Termination
	LT Sackle Insulator
	BASIC ELECTRONICS LAB
Digital Function Generator :	
1Ø D.C Regulated Power Supply	
1Ø Continously Variable Voltage Auto Transformer	
D.C Regulated Power Supply	
Wound Type Rheostate 300 Ohm, 1.0 Amp.	
Digital Storage Oscliscope	
Function Generator	
1Ø DC power supply	
3Ø Continously Variable Voltage Auto Transformer	
Voltmeter (DC) : 0-50/100/200mV	
Voltmeter (DC) : 0- 3 / 7.5 / 15V	
Voltmeter (DC) : 0-15/30/60V	
Voltmeter (DC) : 0-75/150/300V	
Voltmeter (DC) : 0-125/250/500V	
Ammeter (DC) : 0-1 / 2mA	
Ammeter (DC) : 0-25/50mA	
Ammeter (DC): 0-75/150mA	
Ammeter (DC): 0-250/500mA	
Ammeter (DC) : 0-1/2A	
Ammeter (DC) : 0-2.5/5A	
Ammeter (DC): 0-5/10A	
DIGITAL MULTIMETER	
CLIP ON METER	
CLIP ON METER	
DIGITAL MULTI METER	
COMPUTER LAB	Computer System: P4 1.5 GHz processor (32 Nos.)
	Computer System: Intel Celeron 1.3 GHz Processor
	Computer System: P4 2.4 ZGHz Processor
	Computer System: P4 3.2GHz processor (13 Nos.)

**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED  
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	Computer System HCL: Intel® Core™2 Duo E7400 @ 2.80 GHz (36 Nos.)
	Out Door Dual Polarity System 5GHz
	160 GB HDD
	MSDN AA+
	Intel C2D 2.66 GHz processor (CPU)
	Su-Kam 10Kva online ups
	USB 500 GB HDD
	Su-Kam Maintenance free Batteries
	Su-Kam Maintenance free Batteries
	Exide Tubular Batteries 100AH, 12v Dc
	Wipro EX 330+
	LG CD-ROM
	Internal Modem Mercury
	Kodak EBZ200 Web Camara
	D-Link 8 Port Switch
	Overhead Projector
	DMS 8086 Micro Trainer Kit
	MERCURY SMPS
	SEAGATE 40 GB HDD
	SEAGATE 40 GB HDD
	LG CD-ROM
	Hp Lase-jet 1020
	SEAGATE 40 GB HDD
	512 DDR REM
	Su-Kam 10Kva online ups
	Su-Kam Maintenance free Batteries
	Hp Scan-Jet 2400
	Projection Screen with tripod stand
	Voltas Split Air Conditioner
	Sony LCD Multimedia Projector Model
	Celling Mount Kit
	Su-Kam 7.5Kva online ups
	Su-Kam Maintenance free Batteries
	Window Room Air-Conditioner
	Voltas Split Air Conditioner
	Voltas Split Air Conditioner
	ABC TYPE Fire EXT-2Kg
	Co <sub>2</sub> TYPE Fire EXT-2Kg
DIGITAL MICROPROCESSOR LAB	Micro Processor trainer kit
	Computer
	Digital Clamper Meter
	8051 Mmicrocontroller kit
	EPABX
	8085 microprocessor trainer kit
	Study card 8237/8257

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	Study card 8259
	Power supply
	Digital tachometer
	DVD player
	STUDY 8251 #924
	STUDY 8279 #1046
	Digital multimeter
	Microcontroller trainer
	Analog Techometer
	ABC Type fire EXT 2Kg , E-21
	Co2 Type fire EXT 2Kg, E-24
	Cathode Ray oscilloscope
	Computer
	“Adtron” make basic digital elet. Training Boards
	a) Basic logic gates with power supply
	b) Basic logic gates (NOT, OR, AND, NOR, NAND)
	c) Half adder
	d) full adder
	e) Half subtractor
	f) Full subtractor
	g) R-S Flip flop
	h) D - Flip flop
	i) J-K Flip flop
	j) Analog to digital converter
	k) Digital to analog converter
	Digital IC Trainer (TTL)
	Microprocessor trainer board
	Stepper motor controller card with stepper motor
	Temp Controller Card Using Thermocouple
	Digital Storage Oscilloscope
	Digital Multimeter, Model No. 185
	Universal IC Tester/Programmer
	VLSI Trainer Kit
	SUPERPROZ – XELTEX Super Pro-Z
	Embedded Trainer kit
	Digital IC Trainer
	DVD-Writer
	Computer
O. C. & E.M. LAB	Gas Cylinder
	Electric Oven
	Gas pipe line 1/2"
	Over Head Projector
	Stop Watch
	Wieght Balance
	Lab. Burner
	Gas Valve

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N. G. PATEL POLYTECHNIC**

	Alluminiume Bucket
	Boil Law Apparatus
P. A. & I. C. LAB	Dhona one pan Balance
	Potentiometer
	Conductivity Meter
	Ostwald's Viscometer
	Stalagmo meter
	Retort Stand with Clamp
CIVIL LAB	DUMPY Level
	Prismatic Compass Box
	Levelling Staff
	Prism type optical square
	Line Ranger
	Hammer
	Tilting Level
	Auto Level
	Ranging Rods
	Measuring Taps - 15 meter
	Measuring Taps - 30 meter
	Chain - 20 meter
	Chain - 30 meter
	PHYSICS LAB
Traveling Microscope	
Flywheel	
Searle's apparatus	
Table Fan	
Combined Inclined Plane & Friction Apparatus	
Compound Screw Jack with Transverse Motion	
"RISHABH" make Digital Multimeter - 12S	
"KUSUM-MECO" Digital Clamp Meter - 2763	
Digital Techometer	
"AQUILA" make DC Regulated Power Supply - 305D	
'AE' make wattmeter with B - panel	
Vernier Calipers	
Micrometer Screw (0 - 25 mm.)	
Energymeter - 10911	
D.C. Regulated Power Supply	
Digital Multimeter, Unit T, DT 830D	
Portable Voltmeter (0-150V/300V/600V)	
Analog Multimeter Sanwa-360 TRj	
Analog Multimeter Sanwa-P3	
Wattmeter 10/20 Amp.,250-500 watt	
LABIN make Rheostat, 3 Amp-100 ohm.	
MECO - V Ampere meter 0-5 Amp.	
MECO - V Ampere meter 0-10 Amp.	
Micrometer Screw	

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N. G. PATEL POLYTECHNIC**

Bimetallic Thermometer
Tuning Forks - Set
Steel Rule
Steel Measure Tape - 3 meter
Plain External Caliper Gauge
Spring loaded Internal Caliper Gauge
Drawing Board
Set Square
Spring Balance
Fractional Weight Box
Voltmeter with stand ( 0-50 volt DC )
Ammeter ( 0-1.5 Amp DC)
Sonometer
Young's Modulus Apparatus
Slotted Weight 50 gm
50 gm
500 gm
Physical Balance
"U"- Tube Manometer
Thermocouple
milivoltmeter ( 0-500 mv)
Unknown Resistor ( 10 $\Omega$ )
Unknown Resistor ( 15 $\Omega$ )
Unknown Resistor ( 20 $\Omega$ )
Standard Weight Box (1 gm - 200 gm.)
Alluminium Buckets
Water Heater
Spirit Level
Slotted Weight Hanger
Planimeter
PVC Lamp Board
Switch
Lamp Holder
Apparatus of find the Centre of gravity
Train of Gear Wheel
Cantilever Apparatus
Ex-tension Board

- **Computing Facilities**

- Internet Bandwidth : 100 mbps
- Number and configuration of System : 215
- Total number of system connected by LAN : 215
- Total number of system connected by WAN : 0

**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED  
N. G. PATEL POLYTECHNIC**

- **Teaching Learning Process**
  - **Curricula and syllabus for each of the Programmes as approved by the University:**  
Link for University curricula and syllabus:  
[https://www.gtu.ac.in/Syllabus\\_list.aspx](https://www.gtu.ac.in/Syllabus_list.aspx)
  - **Academic Calendar of the University**  
Link for University Academic Calendar:  
<https://www.gtu.ac.in/AcademicCal.aspx>
- 14. LoA and subsequent EoA till the current Academic Year**  
Link for EoA for all years:  
<https://www.ngpatelpoly.ac.in/records>