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

MANDATORY DISCLOSURE

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
   Website: 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
   Website: 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
   Website: www.ngpatelpoly.ac.in
   Phone No: 9925961339

4. **Name of the affiliating University:**
   Gujarat Technological University (GTU), Ahmedabad

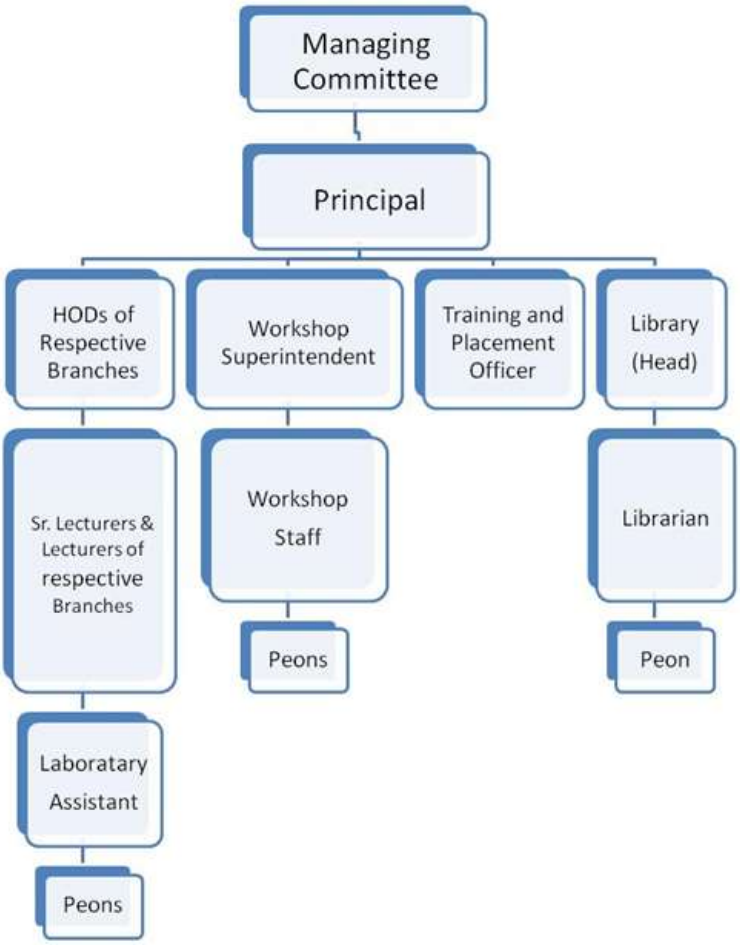
5. **Governance**

- **Members of the Board and their brief background**

Sr. No.	Name	Designation
1	Shi Ramanlal Sukhabhai Patel	President, Sardar Vallabhbhai Patel Education Society, Isroli - Afwa
2	Shri Manharbhai Lallubhai Patel	Vice – President, SVPE Society
3	Shri Natvarbhai Nathubhai Patel	Vice – President, SVPE Society
4	Shri Arunbhai Natvarbhai Patel	Secretary, SVPE Society
5	Shri Dilipbhai Bhikhubhai Bhakta	Member, SVPE Society Chairman, Madhi Vibhag Sahkari Khand Udyog Mandali Ltd.
6	Shri Nalinbhai Chandramani Shanker Vyas	Member, SVPE Society
7	Nominee Member	Directorate of Technical Education,

		Gandhinagar
8	Nominee Member	Technical Education Board, Gandhinagar
9	Nominee Member	Gujarat Technological University, Gujarat State (From 2008 onwards)
10	Member Secretary Mr. Kartik Rameshchandra Desai	Principal, N. G. Patel Polytechnic

- **Organizational chart and processes**



- **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
A	**Academics**		
1	Head of the Department	Mr. Mukesh B. Dhangar Head, Chemical Engineering	• To ensure the quality of the academics at the department level.

		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	• Coordination among various departments to ensure optimum utilization of the Institute level resources. • To provide academic related data as per the needs of AICTE and University. • Taking care of the AICTE compliance, University affiliation, NBA requirements. • To promote students to work with IDP or UDP related projects. • To prepare required data for academic audit.
B	**Student Affair**		
1	Admission	Mr. Nilesh P. Prajapati Lecturer, Electrical Engineering Mr. Ritesh J. Patel Lecturer, Computer Engineering	• To counsel the students about the admission procedure w.r.t. eligibility criteria, documentation and procedure there off. • To facilitate the students as per the guidelines issued by State Level Diploma Admission Committee for operating help centers / Cyber space.
2	Exam Section	Mr. Kiransinh N. Desai Lecturer, Science & Humanities	• To conduct the Internal and End Semester University Exams in effective manner. • To handle the liaison with university for exam & student related matters.
3	Scholarship	Mr. Yagnesh D. Patel Lecturer, Electrical Engineering	• To counsel the students about various available scholarship schemes, form the government and identify concern students. • To help the students for availing the scholarships.
4	Gymkhana	Mr. Mehul M. Jikar Head, Mechanical Engineering	• 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.
5	Training & Placement	Mr. Mukesh B. Dhangar Head, Chemical Engineering	• To provide necessary training and counselling to the final year students required for better

			placements to industries and higher learning institutes. • To identify the needs of industries regarding quality of engineering students and to build the relationship with industries for better placements of students.
C	**Other Cells**		
1	Anti-Ragging Committee	Mr. Mehul M. Jikar Head, Mechanical Engineering	• Anti-Ragging Squad will be working under the Monitoring of Anti Ragging Committee and will seek advice from the Anti-Ragging Committee. • 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. • The Squad will also educate the students at large by adopting various means about the menace of Ragging and related Punishments there to.
	Anti-Ragging Squad	Mr. Manoj R. Sirohi I/C Head, Science & Humanities	
2	Woman's Development	Mrs. Pratiksha P. Vaghasiya Head, Computer Engineering	• To prevent and determine the commission of any act of harassment. • To deal with problems related to studies. • To protect women's right to gender equality and provide a favourable environment for work/study. • To provide a forum for women on the campus to share information and resources and exchange of ideas. • To create awareness among the girls and the women staff.
3	Grievance Redressal	Mr. Kartik R. Desai Principal, N. G. Patel Polytechnic	• To provide a mechanism for redressal of students'/Staff grievances and ensure the prevention of unfair practices. • To look into the complaints lodged by any student/Staff, and judge its merit.

			• The Grievance cell is also empowered to look into matters of harassment.
4	SC / ST	Mr. Mukesh B. Dhangar Head, Chemical Engineering	• 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.

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	M. B. Dhangar Head, Ch.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	R. J. Patel Lecturer, Co.E.D.	To finalize the list of awardees and necessary giveaways for falicitation 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 and thalassemia counselling for each student of first year.
7	Grain & Cloth Donation	N. C. Rana 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	V. K. Patel Head, E.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	N. C. Rana Lecturer, M.E.D.	To maintain discipline amongst students of institute in the manner of dressings, behaviour and general etiquettes.
11	Transportation	H. J. Patel Lecturer, M.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	P. P. Vaghasiya Head, 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.
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.

- **Grievance Redressal mechanism for Faculty, staff and students**

Grievance Redressal Cell & Internal Complaint Committee:

Grievances Redressal Cell for Physically Disabled:

Sr. No.	Name of Member	Designation
1	Prof. Kartik R. Desai	Principal, N. G. Patel Polytechnic
2	Mr. Hemang R. Jivanramjiwala	Sr. Lecturer, Mechanical Engg. Dept.
3	Mr. Nilesh P. Prajapati	Lecturer, Electrical Engg. Dept.
4	Mr. Himanshu S. Desai	Lecturer, Chemical Engg. Dept.
5	Mrs. Meha J. Patel	Lecturer, Computer Engg. Dept.

Grievances Redressal Cell for Staff (Internal Complaint Committee):

Sr. No.	Name of Member	Designation
1	Shree Manharbhai L. Patel	Vice-President, SVPE Society
2	Shree Babubhai V. Patel	Managing Trustee, SVPE Society
3	Shree Mahendrabhai H. Patel	Secretary, SVPE Society
4	Prof. Kartik R. Desai	Principal, N. G. Patel Polytechnic
5	Mr. Mehul M. Jikar	Head, Mechanical Engg. Dept.
6	Mr. Vijay K. Patel	Head, Electrical Engg. Dept.
7	Mr. Mukesh B. Dhangar	Head, Chemical Engg. Dept.
8	Mrs. Pratiksha P. Vaghashiya	Head, Computer Engg. Dept.
9	Mr. Manoj R. Sirohi	I/C Head, Science & Humanities

Grievances Redressal Cell for Students (Internal Complaint Committee):

Sr. No.	Name of Member	Designation
1	Prof. Kartik R. Desai	Principal, N. G. Patel Polytechnic
2	Mr. Mehul M. Jikar	Head, Mechanical Engg. Dept.
3	Mr. Vijay K. Patel	Head, Electrical Engg. Dept.
4	Mr. Mukesh B. Dhangar	Head, Chemical Engg. Dept.
5	Mrs. Pratiksha P. Vaghashiya	Head, Computer Engg. Dept.
6	Mr. Manoj R. Sirohi	I/C Head, Science & Humanities
7	Mr. Hemang R. Jivanramjiwala	Sr. Lecturer, Mechanical Engg. Dept.
8	Mr. Nilesh P. Prajapati	Lecturer, Electrical Engg. Dept.
9	Mr. Himanshu S. Desai	Lecturer, Chemical Engg. Dept.

10	Mr. Ritesh J. Patel	Lecturer, Computer Engg. Dept.
11	Mr. Kiran N. Desai	Lecturer, Science & Humanities

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.

- **Establishment of Anti Ragging Committee:**

Sr. No.	Position	Name of Member	Designation
Anti-Ragging Committee			
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.
Anti-Ragging Squad			
1	Counselor	Mr. Manoj R. Sirohi	I/C Head, Science & Humanities
2	Member	Mr. Hemang R. Jivanramjiwala	Sr. Lecturer, Mechanical Engg. Dept.
3	Member	Mr. Anil D. Patel	Lecturer, Mechanical Engg. Dept.
4	Member	Mr. Nilesh P. Prajapati	Lecturer, Electrical Engg. Dept.

5	Member	Mr. Nikunj G. Mistry	Lecturer, Electrical Engg. Dept.
6	Member	Mr. Himanshu S. Desai	Lecturer, Chemical Engg. Dept.
7	Member	Ms. Priyanka A. Patel	Lecturer, Chemical Engg. Dept.
8	Member	Mr. Ritesh J. Patel	Lecturer, Computer Engg. Dept.
9	Member	Mrs. Meha J. Patel	Lecturer, Computer Engg. Dept.
10	Member	Mr. Nitin K. Modi	Lecturer, Science & Humanities

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: http://www.grievance.ngpatelpoly.ac.in/

- **Establishment of Committee for SC/ST**

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N. G. PATEL POLYTECHNIC

AT. ISROLI, PO. AFWA, BARDOLI-NAVSARI ROAD,
TAL. BARDOLI, DIST. SURAT, PIN - 394620.
Phone: 95129 00459
E-mail: svpess@yahoo.com • Website: www.ngpatelpoly.ac.in

Ref. No.: NGPP/ESTA/2021/141-7 **Date: 05/03/2021**

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	**Kartik R. Desai**	**Principal,** N. G. Patel Polytechnic, Isroli
2	**Mukesh B. Dhangar**	**Head,** Chemical Engineering Department
3	**Mahendra G. Vasava**	**Ad. Lecturer,** Electrical Engineering Department
4	**Priyanka A. Patel**	**Ad. Lecturer,** Chemical Engineering Department

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

• GTU Affiliated & AICTE Approved Institute • GPCB Approved Schedule-1 Environmental Auditor

- **Internal Quality Assurance Cell**

SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED
N. G. PATEL POLYTECHNIC
AT. ISROLI, PO. AFWA, BARDOLI-NAVSARI ROAD,
TAL. BARDOLI, DIST. SURAT, PIN - 394620.
Phone: 95129 00459
E-mail: svpess@yahoo.com • Website: www.ngpatelpoly.ac.in

Ref. No.: NGPP/ESTA/2021/140-1 **Date: 04/03/2021**

CIRCULAR

It is hereby informed to take note of the details furnished here related to Internal Quality Assurance Cell (IQAC) with effect from the date of circular. This committee will be in force till the changes are made in future.

Objectives of the IQAC are:

1. To ensure continuous improvement in the entire operations of the college, and
2. To assure 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 the various academic and administrative activities of the college.
2. Dissemination of information on the various quality parameters.
3. Organization of workshops, seminars on quality related themes.
4. Documentation of the various programmes / activities leading to quality improvement.

Members of Internal Quality Assurance Cell (IQAC):

Sr. No.	Name of member	Designation	Position
1	Kartik R. Desai	Principal	Chairperson
2	Babubhai V. Patel	Managing Trustee, SVPE Society	Member
3	Mehul M. Jikar	Head, Mechanical	Member
4	Vijay K. Patel	Head, Electrical	Member
5	Mukesh B. Dhangar	Head, Chemical	Member

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6	Pratiksha P. Vaghasiya	Head, Computer	Member
7	Manoj R. Sirohi	Head, S&HD	Member
8	Hemang R. Jivanramjiwala	Sr. Lecturer, MED	Member
9	Kiransinh N. Desai	Lecturer, S&H	Member
10	Nitin K. Modi	Adhoc Lecturer, S&HD	Member
11	Nevil S. Patel (Administrative Official)	Office Superintendent	Member
12	Amit Patel	Founder Director, UGFS Powermax (P) Ltd., Vadodara	Member
13	Ravindra Mistry	CEO, Unistar Softtech Pvt. Ltd., Bardoli	Member
14	Nipul C. Rana	Sr. Lecturer, MED	Member Secretary

Mahendra H. Patel
Secretary,
Sardar Vallabhbhai Patel Education Society,
Isroli, Bardoli

N.G. PATEL POLYTECHNIC CODE 637 * ISROLI *

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:**
  None so far (applying for accreditation in Academic year 2020-2021 for two courses Chemical and Computer Engineering)

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

Name of Program	**:**	**Diploma in Chemical Engineering**		
Number of Seats	**:**	120 seats / year		
Duration	**:**	3 Years		
Cut off Marks/Ranks of admission during last three years: (Closing Merit Rank)				
Particulates		**2020-21**	**2019-20**	**2018-19**
OPEN		6370015	6370025	67443
SC		23139	6370024	33858
ST		36298	29845	---
SEBC		33327	40957	63504
TFWS		636	3321	4626
EWS		32587	6370002	---
Fees	**:**	44,000 Rs. / Year (As approved by FRC, Ahmedabad)		
Placement Facility	**:**	Industry Institution Cell, Board Room, Counselling sessions.		
Campus placement in last three years:				
Particulates			**2020-21**	**2019-20**	**2018-19**
No. of students placed			36	39	69
Minimum Salary (Rs. In Lakh)			2.0	2.0	2.0
Maximum Salary (Rs. In Lakh)			4.0	4.0	4.0
Average Salary (Rs. In Lakh)			3.0	3.0	3.0

Name of Program	**:**	**Diploma in Computer Engineering**		
Number of Seats	**:**	60 seats / year		
Duration	**:**	3 Years		
Cut off Marks/Ranks of admission during last three years:				
Particulates		**2020-21**	**2019-20**	**2018-19**
OPEN		6370011	6370029	62985
SC		10906	34929	---
ST		10360	26958	42902
SEBC		36323	40691	36748
TFWS		707	1462	3463

EWS		23362	26314	---
Fees	:	44,000 Rs. / Year (As approved by FRC, Ahmedabad)		
Placement Facility	:	Industry Institution Cell, Board Room, Counselling sessions.		
Campus placement in last three years:				
Particulates		**2020-21**	**2019-20**	**2018-19**
No. of students placed		9	6	20
Minimum Salary (Rs. In Lakh)		1.0	1.0	1.0
Maximum Salary (Rs. In Lakh)		1.0	1.0	1.0
Average Salary (Rs. In Lakh)		1.0	1.0	1.0

Name of Program	:	**Diploma in Electrical Engineering**		
Number of Seats	:	60 seats / year		
Duration	:	3 Years		
Cut off Marks/Ranks of admission during last three years:				
Particulates		**2020-21**	**2019-20**	**2018-19**
OPEN		38721	6370018	3000078
SC		6370009	6370019	46278
ST		51493	6370034	69393
SEBC		33018	43469	42523
TFWS		6146	13228	14083
EWS		---	---	---
Fees	:	44,000 Rs. / Year (As approved by FRC, Ahmedabad)		
Placement Facility	:	Industry Institution Cell, Board Room, Counselling sessions.		
Campus placement in last three years:				
Particulates		**2020-21**	**2019-20**	**2018-19**
No. of students placed		34	45	83
Minimum Salary (Rs. In Lakh)		1.0	1.0	1.0
Maximum Salary (Rs. In Lakh)		2.0	2.0	2.0
Average Salary (Rs. In Lakh)		1.5	1.5	1.5

Name of Program	:	**Diploma in Mechanical Engineering**		
Number of Seats	:	60 seats / year		
Duration	:	3 Years		
Cut off Marks/Ranks of admission during last three years:				
Particulates		**2020-21**	**2019-20**	**2018-19**
OPEN		6370008	6370022	80079
SC		6370014	40138	60001
ST		6370013	6370028	70080
SEBC		6370012	41858	66717
TFWS		5054	---	17786
EWS		36941	37714	---
Fees	:	44,000 Rs. / Year (As approved by FRC, Ahmedabad)		
Placement Facility	:	Industry Institution Cell, Board Room, Counselling sessions.		
Campus placement in last three years:				
Particulates		**2020-21**	**2019-20**	**2018-19**
No. of students placed		33	65	67

Minimum Salary (Rs. In Lakh)	1.0	1.0	1.0
Maximum Salary (Rs. In Lakh)	2.0	2.0	2.0
Average Salary (Rs. In Lakh)	1.5	1.5	1.5

7. Faculty:

Sr. No.	Name of Faculty	Designation	Department
1	**Kartik R. Desai**	**Principal**	**
2	**Mukesh B. Dhangar**	**Head of Department**	**Chemical Engg.**
3	Himanshu S. Desai	Lecturer	Chemical Engg.
4	Mital G. Pathak	Lecturer	Chemical Engg.
5	Priyanka A. Patel	Lecturer	Chemical Engg.
6	Parul K. Patel	Lecturer	Chemical Engg.
7	Riya B. Bhandari	Lecturer	Chemical Engg.
8	Rinal S. Patel	Lecturer	Chemical Engg.
9	Zinal J. Patel	Lecturer	Chemical Engg.
10	Swati P. Pal	Lecturer	Chemical Engg.
11	Mahendra G. Rajput	Lecturer	Chemical Engg.
12	Nupur A. Shukla	Lecturer	Chemical Engg.
13	Megha M. Vaghela	Lecturer	Chemical Engg.
14	**Pratiksha P. Vaghashiya**	**Head of Department**	**Computer Engg.**
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	Lecturer	Computer Engg.
19	Krishna N. Mistry	Lecturer	Computer Engg.
20	Harin C. Naik	Lecturer	Computer Engg.
21	**Vijay K. Patel**	**Head of Department**	**Electrical Engg.**
22	Nilesh P. Prajapati	Lecturer	Electrical Engg.
23	Nikunj G. Mistry	Lecturer	Electrical Engg.
24	Rakesh H. Maisuriya	Lecturer	Electrical Engg.
25	Yagnesh D. Patel	Lecturer	Electrical Engg.
26	Nirav C. Pandya	Lecturer	Electrical Engg.
27	Mahendra G. Vasava	Lecturer	Electrical Engg.
28	**Mehul M. Jikar**	**Head of Department**	**Mechanical Engg.**
29	Hemang R. Jivanramjiwala	Sr. Lecturer	Mechanical Engg.
30	Hiren R. Mistry	Lecturer	Mechanical Engg.
31	Nipul C. Rana	Lecturer	Mechanical Engg.
32	Hemal J. Patel	Lecturer	Mechanical Engg.
33	Anil D. Patel	Lecturer	Mechanical Engg.
34	Vipul H. Patel	Lecturer	Mechanical Engg.
35	Dharmesh K. Patel	Lecturer	Mechanical Engg.
36	Dharmesh J. Patel	Lecturer	Mechanical Engg.
37	**Manoj R. Sirohi**	**Head of Department**	**Science & Humanities**
38	Dharmesh M. Prajapati	Lecturer	Science & Humanities

39	Kiran N. Desai	Lecturer	Science & Humanities
40	Nitin K. Modi	Lecturer	Science & Humanities
41	Hiral P. Patel	Lecturer	Science & Humanities
42	Payal N. Pandya	Lecturer	Science & Humanities
43	Aarti R. Maisuriya	Lecturer	Science & Humanities
44	Sanjay S. Patel	Lecturer	Science & Humanities

8. Fee:

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

CHEMICAL ENGINEERING DEPARTMENT			
Particulars	**2020-21**	**2019-20**	**2018-19**
No. of Fee Waiver students	3	6	6
Name of Students	Ruchit Patel	Masum Patel	Yash Ahiravkar
	Krishna Thakkar	Jay Patel	Hasan Sheikh
	Hardip Jid	Jaykumar Patel	Hussain Sheikh
	---	Nirmal Solanki	Utsav Vaghani
	---	Harsh Patil	Prakash Patel
	---	Neel Patel	Dixit Patel
Amount (per student)	44,000/-	44,000/-	44,000/-

COMPUTER ENGINEERING DEPARTMENT			
Particulars	**2020-21**	**2019-20**	**2018-19**
No. of Fee Waiver students	2	3	3
Name of Students	Safwan Tai	Rohan Patil	Ronak Patel
	Vishal Narigara	Nikam Prasanna	Vasav Shukla
	---	Dev Mehta	Abhi Prajapati
Amount (per student)	44,000/-	44,000/-	44,000/-

ELECTRICAL ENGINEERING DEPARTMENT			
Particulars	**2020-21**	**2019-20**	**2018-19**
No. of Fee Waiver students	2	6	6
Name of Students	Kartavya Patel	Vishal Patil	Dinal Patel
	Uday Solanki	Janki Patel	Purvil Chaudhari
	---	Jay Devnath	Pradeep Dhandhukiya
	---	Sidh Parekh	Jignesh Borse
	---	Krish Patel	Jaymink Ahir
	---	Shubham Chitte	Janesh Dave
Amount (per student)	44,000/-	44,000/-	44,000/-

MECHANICAL ENGINEERING DEPARTMENT			
Particulars	**2020-21**	**2019-20**	**2018-19**
No. of Fee Waiver students	2	0	6
Name of Students	Yashvardhan Varde	---	Dhruv Varde
	Suresh Gamit	---	Wahid Ansari
	---	---	Prabhat Bhadauria
	---	---	Shubham Khanore
	---	---	Tushar Halpati
	---	---	Parth Pitroda
Amount (per student)	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 10th (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 10th (Out of 300)

- Estimated cost of Boarding and Lodging in Hostels: Rs. 50,000/- per Year
- Any other fess: NIL

10. Admission

- Number of seats sanctioned with the year of approval

Sr. No.	Name of Department	Approved Intake (2020-2021)
1	Chemical Engineering	120
2	Computer Engineering	60
3	Electrical Engineering	60
4	Mechanical Engineering	60
	Total Intake (Per Year)	**300**

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

CHEMICAL ENGINEERING DEPARTMENT			
Category	**2020-21**	**2019-20**	**2018-19**
OPEN	84	75	96
SC	3	5	6
ST	15	3	1
SEBC	33	41	22
TFWS	3	6	6
Total	**138**	**130**	**131**

COMPUTER ENGINEERING DEPARTMENT			
Category	**2020-21**	**2019-20**	**2018-19**
OPEN	39	41	41
SC	4	6	0
ST	7	4	7
SEBC	15	18	15
TFWS	2	3	3
Total	**67**	**72**	**66**

ELECTRICAL ENGINEERING DEPARTMENT			
Category	**2020-21**	**2019-20**	**2018-19**
OPEN	18	24	30
SC	8	7	3
ST	32	38	33
SEBC	3	9	10
TFWS	2	6	6
Total	**63**	**84**	**82**

MECHANICAL ENGINEERING DEPARTMENT			
Category	**2020-21**	**2019-20**	**2018-19**
OPEN	41	52	47
SC	1	3	7
ST	9	12	15
SEBC	4	9	9
TFWS	2	0	6
Total	**57**	**76**	**84**

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**
- Admission Registration Link : **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

Sr. No.	Room ID	Carpet Area (m^2)
1	M-5	94.40
2	CH-11	67.68
3	CH-13	72.00
4	CH-14	56.00
5	CH-17	94.40
6	CH-18	93.60
7	M-14	57.60
8	M-15	58.64
9	E-11	69.60
10	E-12	57.60
11	CH-22	69.60
12	CH-23	56.00
13	M-21	58.10
14	M-23	57.60
15	M-24	58.64
16	E-27	62.40

- Number of Tutorial rooms and size of each

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

- Number of Laboratories and size of each

Sr. No.	Room ID	Name of Laboratory	Carpet Area (m^2)
1	CH-1	P. R. & P. T. LAB (LAB – 1)	48.08
2	CH-2	M. O. LAB (LAB – 2)	70.00

3	CH-3	M. T. & S. & F. T. LAB (LAB – 3)	73.46
4	CH-4	U. & I. C. P. L& C. P. I. LAB (LAB – 4)	73.46
5	CH-5	D. & P. & F. T. LAB (LAB – 5)	63.46
6	CH-7	H. T. O. LAB (LAB – 6)	70.40
7	CH-9	O. C. & E. M. LAB (LAB – 7)	53.60
8	CH-10	P. A. I. C. LAB (LAB – 8)	53.60
9	CH-12	CIVIL LAB (LAB – 9)	48.00
10	CH-15	PHYSICS LAB (LAB – 10)	46.00
11	CH-16	S. &. E. T. LAB (LAB – 11)	55.00
12	M-1	S. M. & E. M. LAB (LAB – 12)	57.60
13	M-2	M. T. LAB (LAB – 13)	60.00
14	M-6	THERMAL/P.P.E./E.O.M.E. LAB (LAB – 14)	84.40
15	M-7	F. M. H. M. LAB (LAB – 15)	120.00
16	M-17	M. & I. / T. O. M. LAB (LAB – 16)	56.00
17	M-27	D. M. E. / TOOL LAB (LAB – 17)	85.20
18	E-6	ELECTRICAL MACHINE LAB (LAB – 18)	182.20
19	E-7	INSTRUMENTAION LAB (LAB – 19)	64.60
20	E-8	BASIC ELECTRICAL LAB (LAB – 20)	52.60
21	E-16	POWER SYSTEM LAB (LAB – 21)	57.80
22	E-17	BASIC ELECTRONICS & PROJ. LAB (LAB – 22)	57.40
23	WL-1	CAM LAB (LAB – 23)	48.04
24	E-19	COMPUTER LAB (LAB – 24)	107.10
25	E-21B	MICROPRO. & MICROCONTR. LAB(LAB – 25)	59.60
26	E-22	PROJECT & PR LAB (LAB – 26)	52.60
27	E-24	POWER ELECTRONICS LAB (LAB – 27)	52.60
28	E-25	SWPD LAB (LAB – 28)	56.54
29	E-15	ELECTRICAL PROJECT LAB (LAB – 29)	56.54
30	E-29	PROJECT LAB (LAB – 30)	107.10

- Number of Drawing Halls with capacity of each:

Sr. No.	Room ID	Name of Area	Carpet Area (m^2)
1	M-18-A	DRAWING HALL	135

- Number of Computer Centres with capacity of each:

Sr. No.	Room ID	Name of Area	Carpet Area (m^2)
1	E-28	COMPUTER CENTER	104.80
2	M-11	COMPUTER CENTER	58.10

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

Sr. No.	Room ID	Name of Area	Carpet Area (m^2)

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
Total	**12540**	**4826**

- List of National/ International Journals and Magazines subscribed:

Sr. No.	Title of Journals
1	International Journal of Chemical Studies
2	Chemical Industry Digest
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	Compitition 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
CH-1: PETROLEUM REFINING & PETROCHEMICAL TECHNOLOGY (P. R. & P. T.) LABORATORY	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
CH-2: MECHANICAL OPERATIONS (M. O.) LABORATORY	Cyclone Separator.
	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.
	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)
CH-3: MASS TRANSFER (M. T.) & SUGAR & FOOD TECHNOLOGY (S. & F. T.) LABORATORY	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 of CCl_4-Acetone in Air With Traveling Microscope
	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
CH-4: UTILITY & INSTRUMENTATION IN CHEMICAL PLANT (U. & I. C. P.) & CHEMICAL PROCESS INDUSTRY (C. P. I.) LABORATORY	"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
CH-5: DYES & PHARMA (D. & P.) & FERTILIZER TECHNOLOGY (F. T.)	General Glass Wares
	General Chemical Reagents
CH-7: HEAT TRANSFER LABORATORY (H. T. O.) LABORATORY	Heat Transfer through Composite Wall.
	Thermal Conductivity of Insulating Powder
	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)

CH-16: SAFETY & EFFLUENT TREATMENT (S. & E. T.) LABORATORY	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_2 Type 3Kg(F.E)
	B.C.F Type 2Kg(F.E)
	pH Meter
	Refrigerator
	Centrifuge Machine
	Temperature Controller
	Bottle Top Dispenser
M-1: STRENGTH OF MATERIAL (S.M.) / ENGINEERING MECHANICS (E.M.) LABORATORY	Pedulum Impact testing machine
	FIE ' Electronic Universal testing machine
	Winch Crab Single Purchase
	Parallogram of forces Apparaturs
	Polygon & Trainagle of forces Apparaturs
	Polygon forces Apparaturs
	Parallel forces Apparaturs
	Weights TOTAL 20 Kgs.
	Winch Crab Double Purchase
M-2: MATERIALS TECHNOLOGY (M. T.) LABORATORY	Trinocular Metallurgical Microscope
	Rockwell Cum BrinellHardness testing machine
	EIE light weight muffle furnace
	Polishing machine
	Rockwell Hardness testing machine
	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
M-6: THERMAL / POWER PLANT ENGINEERING (P. P. E)	Four stroke four cylinder Petrol engine
	Single cylinder four stroke Diesel
	Domestic Refrigerator test rig

/ ELEMENTS OF MECHANICAL ENGINEERING (E. O. M .E.) LABBORATORY	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
M-7: FLUID MECHANICS & HYDRAULIC MACHINE (F. M. & H. M.) LABORATORY	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.
	Reprocating Pump Test Rig
M-11: COMPUTER APPLICATION (C. A.) LABORATORY	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.)
	Window Air Conditioner (2 Ton 2 Nos.))
	Capri Stabilizer 5 KVA (2 Nos.)
	BENQ CD ROM
	Micro - Phone With Headphone
M-12: COMPUTER AIDED DESIGN (CAD) LABORATORY	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
M-17: METROLOGY & INSTRUMENTATION (M. & I.) /	**Measuring Instument**
	a.Inside Micrometer (50-250 mm)
	b.Depth Micrometer (0-100 mm)
	c.Telescopic gauge

THEORY OF MACHINE (T. O. M.) LABORATORY	d.Bore gauge (35-50 mm)
	e.Bevel protector
	f.Small hole gauge
	g.Screw thread Micrometer (0-25 mm)
	h.Slipe gauge set 83 pcs
	I.Dail gauge with magnatic stand
	j.Gear tooth vernier
	k.Sine bar
	Measuring Instuments
	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)
	Measuring Instument
	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.Out side Micrometer (0-25 mm)
	d.Out side Micrometer (25-50 mm)
	GO-Not GO Thread gauge
	GO-Not GO limit gauge
	Snap gauge
M-27: DESIGN OF MACHINE ELEMENT (D.M.E.) & TOOL LABORATORY	**D.M.E.Lab Cut models**
	Flange coupling
	Rocker arm lever
	Plummer block
	Turn buckle
	Mechanical charts
	1.Elements of jigs and fixtures (Clamping device)
	2.Elements of jigs (Drill bushes)
	3.Milling cutter - II
	4.Sheet metel tools - I
	5.Lathe parts
	6.Sheet metel 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
	DC Shunt Motor and DC Shunt Generator Set

E-6: ELECTRICAL MACHINE LABORATORY	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,
	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 Wattmters
	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 :
	(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
E-7: INSTRUMENTATION LABORATORY	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
	Dynamometer type WATTMTERS125/250/500V-2.5/5A (0 - 300 W)
	Dynamometer type WATTMTERS125/250/500V-5/10A (0 - 600 W)
	Digital Multimeter
	Digital Clamp Meter
	Digital Storage Oscliscope
	Function Generator
	1Ø DC Power Supply
	1Ø Auto Transformer
	Decade Condencer Boxes
E-8: BASIC ELECTRICAL LABORATORY	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
E-16: POWER LABORATORY	Meggar
	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
	Cathod Ray Oscilloscope

E-17: BASIC ELECTRONICS & PROJECT LABORATORY	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
E-20: COMPUTER LABORATORY	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.)
	Computer System HCL:Intel®Core™2DuoE7400@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 Cemara
	D-Link 8 Port Switch
	Overhead Projector
	DMS 8086 Micro Trainer Kit

	MERCURY SMPS
	SEGATE 40 GB HDD
	SEGATE 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_2 TYPE Fire EXT-2Kg
E-21-C: DIGITAL MICROPROCESSOR LABORATORY	Micro Processor trainer kit
	Computer
	Digital Clamper Meter
	8051 Mmicrocontroller kit
	EPABX
	8085 microprocessor trainer kit
	Study card 8237/8257
	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
E-22: COMMUNICATION LABORATORY	Antenna trainer
	AM KIT (Transmitter)
	AM KIT (Receiver)
	FM KIT (Modulation/Demodulation)
	Power supply
	Power supply (Dual)
	Function Generator
	CRO
	RF Tuned Amplifier ckt
	PAM
	PWM
	PPM
	FSK
	ASK
	PCM
	PSK
	TV trainer kit
	Color pattern generator
	Delta and Adaptive Delta Modulation
	TDM PAM Modulation/ Demodulation
	AM transistorized collector modulator
	Micro wave test bench(gun based)
	Mobile trainer
	CRO
	Fiber optic communication
	Telephone trainer

	Analog Multimeter
	LCR meter
	ONIDA 28XL Television
	Sharp VCR
	Digital Satellites Receiver Set
	1. MCBS custom built LNBC
	2. Bullet amplifier
	3. Digital Receiver
	4. Co-axial cable Rg.9(16mtr)
	5. Packing trans. & inst. Charges
	6. Foundation charge
	7. 12feet, 30ribs parabolic DIS antenna
	8. Quachaple stand for DIS antenna
	9. C-Band feed horn
	Tuned RF Amplifier
	FM Modulation using Varactor Diode
	Automatic Gain Control Trainer Kit
	Mobile Trainer
E-24: INDUSTRIAL ELECTRONICS & INSTRUMENTATION LAB	Function generator
	DC Regulated dual power supply
	Study of high pass, low pass, band pass filter(passive)
	Study of high pass, low pass, band pass filter(active)
	Wein bridge oscillator circuit
	Class A,B,C,AB amplifier
	Frequency response of series/parallel resonance circuit
	Decade resistance box
	Decade inductance box
	Decade condenser box
	Overhead projector
	Maxwell L/C bridge
	Wheatstone bridge
	Opto electronics device characteristic
	Cathode ray oscilloscope
	UPS 6000VA
	Thermo couple char.
	Strain gauge trainer
	Synchro transmitter receiver
	Thermo couple
	RTD type PT 100
	TRIAC char. Kit
	SCR char. Kit
	UJT relaxation osc. Kit
	UJT char. Kit
	Dual Trace Oscilloscope
	Measurement of Linear Displacement Using LVDT (Digital)
	SCR Firing methods Trainer

	Function Generator
	Parallel Inverter
	Light Dimmer
	DC Motor Controller
	Study of SCR firing circuits Board
	Photo Electric Control using LDR & photo transistor
	1) Jone's Chopper ckt. Board
	2) Morgan's Chopper ckt. Board
	AC Servo Speed Torque characteristics measurement unit,
	Temperature Measurement control with RTD AS sensor
	Temperature Measurement control with Thermocouple sensor
	Temperature Measurement control with Thermister sensor.
	Active Filter
	Passive Filter
	Thevenin, Superposition & Norten Theorem
E-25: BASIC ELECTRONICS LABORATORY	Dual trace oscilloscope
	Push Pull Amplifier
	Hertly Oscillator
	Colpit OscIllator
	Negative feed back amplifier
	Digital function generator
	DC Voltmeter 0-1VDC
	DC voltmeter 0-3/7.5/15VDC
	DC/AC voltmeter 0/75-150-300VDC
	DC millimeters 0-5/10 mA DC
	DC millimeters 0-50/100 mA DC
	DC micrometer 0-500microA DC
	DC ammeter 0-5-10A DC
	Power Supply,
	Single Phase Variac
	0 to 3/7.5/15 volt DC voltmeter
	0 to 75/150/300 volt AC/DC voltmeter
	0 to 75/150mA, DC Ammeter
	Function Generator
	Digital Meter 0 to 200mv DC
	Digital Meter 0 to 2V DC
	Digital Meter 0 to 20V DC
	Digital Meter 0 to 200mv AC
	Digital Meter 0 to 20V AC
	Digital Meter 0 to 200V AC
	Digital Meter 0 to 200Ma DC
	Digital Meter 0 to 20Ma DC
	Digital Meter 0 to 20Ma AC
	Digital Meter 0 to 20A AC
	"Adtron" make basic digital elet. Training Boards
	a) Characteristics of Zener Diode

	b) Characteristics of Semiconductors diode
	c) Characteristics of Transistor
	d) Characteristics of FET
	e) Characteristics of SCR
	"Adtron" make wave shaping ckt. Board
	a) Astable Multivibrator(using transistor)
	b) Astable Multivibrator(using Op.Amp)
	c) Monostable multivibrators
	All above trainer kits are with built in power Supply
	"Adtron" make Basic ckt. Board
	a) Characteristics of JFET trainer board
	b) Two stage RC coupled amplifier
	c) Class B push pull amplifier
	d) Hartley's oscillator practical trainer
	e) Colpit's oscillator practical trainer
	f) Astable multivibrator using IC-555
	g) +5V DC regulated power supply
	h) -5V DC regulated power supply
	Junction diode rectifier and filter characteristics
	Two stage RC coupled amplifier
	Characteristics of transistor trainer board with meter
	Switch Mode Power Supply(SMPS)
	AMMETERS(moving coil type)
	a) 0 to 5mA
	b) 0 to 50mA
	VOLTMETERS (AC/DC type)
	a) 0 to 1volt
	b) 0 to 10volt
	Ammeter DC(portable moving coil type)
	a) 0 to100 micro amp.
	b) 0 to 250 micro amp.
	c) 0 to 500 micro amp.
	Portable moving coil precision grade DC instrument
	a) Voltmeters (DC)
	1) 0 to 75/150/300 mili volt DC
	2) 0 to 150/300/600 mili volt DC
	3) 0 to 250/500/1000 mili volt DC
	b) AMMETER (DC)
	1) 0 to 1/2 mili amp. DC
	2) 0 to 2.5/5 mili amp. DC
	3) 0 to 5/10 mili amp. DC
	4) 0 to 10/20 mili amp. DC
	5) 0 to 25/50 mili amp. DC
	Op-amp Application Trainer kit
	Schmitt's Trigger Trainer Kit
	Differentiating & Integreting using OP-AMP. Kit

CH-9: ORGANIC CHEMISTRY (O. C.) & ENGINEERING MEASUREMENT (E.M.) LABORATORY	Gas Cylinder
	Electric Oven
	Gas pipe line 1/2"
	Over Head Projector
	Stop Watch
	Wieght Balance
	Lab. Burner
	Gas Valve
	Alluminiume Backet
	Boil Law Apparatus
CH-10: PHYSICAL ANALYTICAL & INORGANIC CHEMISTRY (P. A. & I. C.) LABORATORY	Dhona one pan Balance
	Potentiometer
	Conductivity Meter
	Ostwald's Viscometer
	Stalagmo meter
	Retort Stand with Clamp
CH-12: CIVIL LABORATORY	DUMPY Level
	Prismetic 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
CH-15: PHYSICS LABORATORY	Vernier Calipers
	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
	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 (10Ω)
	Unknown Resistor (15Ω)
	Unknown Resistor (20Ω)
	Standard Weight Box (1 gm - 200 gm.)
	Alluminium Buckets
	Water Heater
	Spirit Level
	Slotted Weight Hanger
	Plannimeter
	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: 264
- Total number of system connected by LAN: 264
- Total number of system connected by WAN: 0

- **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/Syllubus_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/#homepage