NATIONAL BOARD OF ACCREDITATION

Data Capturing Points of the Program Applied for NBA Accreditation– Tier I/II UG (Engineering) Institute Programs

Program Name : Civil Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 11362	**Date of Submission**: 07-01-2026

PART A- Profile of the Institute

A1.Name of the Institute: Parul Institute of Engineering and Technology	
Year of Establishment : 2003	Location of the Institute: PO LIMDA TA WAGHODIA DIST VADODARA
A2. Institute Address:P.O. : LIMDA,TA. WAGHODIA.	
City:Vadodara	State:Gujarat
Pin Code:391760	Website:www.paruluniversity.ac.in
Email:piet@paruluniversity.ac.in	Phone No(with STD Code):02668-260204
A3. Name and Address of the Affiliating University (if any):	
Name of the University :	City: Vadodara
State : Gujarat	Pin Code: 391760
A4. Type of the Institution: University	
A5. Ownership Status: Self financing	

A6. Details of all Programs being Offered by the Institution:

- No. of UG programs: **9**
- No. of PG programs: **8**

Table No. A6.1: List of all programs offered by the Institute.

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Computer Application	PG	Master of Computer Application	2015	--	Computer Application
2	Engineering & Technology	UG	Aeronautical Engineering	2015	--	Aeronautical Engineering
3	Engineering & Technology	UG	Aerospace Engineering	2025	--	Aeronautical Engineering
4	Engineering & Technology	PG	CAD/CAM	2023	--	Mechanical Engineering
5	Engineering & Technology	UG	Civil Engineering	2015	--	Civil Engineering
6	Engineering & Technology	PG	Computer Engineering	2015	--	Computer Science and Engineering
7	Engineering & Technology	UG	Computer Science and Engineering	2015	--	Computer Science and Engineering
8	Engineering & Technology	PG	Construction Project Management	2023	--	Civil Engineering
9	Engineering & Technology	UG	Electrical Engineering	2015	--	Electrical Engineering
10	Engineering & Technology	UG	Electronics & Communication Engineering	2015	--	Electronics and Communication Engineering
11	Engineering & Technology	UG	Information Technology	2015	--	Information Technology
12	Engineering & Technology	PG	Information Technology	2015	--	Information Technology
13	Engineering & Technology	UG	Mathematics & Computing	2024	--	Applied Sciences and Humanities
14	Engineering & Technology	UG	Mechanical Engineering	2015	--	Mechanical Engineering

15	Engineering & Technology	PG	Structural Engineering	2015	--	Civil Engineering
16	Engineering & Technology	PG	Transportation Engineering	2015	--	Civil Engineering
17	Management	PG	Master of Business Administration	2015	--	Management

A7. Programs to be considered for Accreditation vide this Application:

Table No. A7.1: List of programs to be considered for accreditation.

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Civil Engineering	No	Civil Engineering	UG
Computer Science and Engineering	No	Computer Science and Engineering	UG
Electrical Engineering	No	Electrical Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG
Mechanical Engineering	No	Mechanical Engineering	UG

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.

Cluster ID. Name of the Department (in table no. A7.1) Name of allied Departments/Cluster (for table no. A7.1)

No Record

PART-B: Program information

B1. Provide the Required Information for the Program Applied For:

Table No. B1: Program details.

A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS
1	Civil Engineering	UG	2015 / --	240	Yes	2016	150	2016	BoG

Sanctioned Intake for Last Five Years for the Construction Project Management	
Academic Year	**Sanctioned Intake**
2025-26	150
2024-25	150
2023-24	150
2022-23	150
2021-22	150
2020-21	150

List of the Allied Departments/Cluster and Programs:

B2. Detail of Head of the Department for the program under consideration:

A. Name of the HoD :	KOMAL MEHTA
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

Table No.B3.1: Admission details for the program excluding those admitted through multiple entry and exit points.

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	150	150	150	150	150	150	150

N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	91	100	95	88	105	105	83
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	43	70	35	45	57	63
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	91	143	165	123	150	162	146

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	150	91	0	60.67
2024-25 (CAYm1)	150	100	0	66.67
2023-24 (CAYm2)	150	95	0	63.33

Average [(ER1 + ER2 + ER3) / 3] = 63.56≡ 11.00

B5. Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	195.00	207.00	213.00
B=No. of students who graduated from the program in the stipulated course duration	130.00	124.00	127.00
Success Rate (SR)= (B/A) * 100	66.67	59.90	59.62

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 62.06

B6. Academic Performance of the First-Year Students of the Program

Table No.B6.1: Academic Performance of the First-Year Students of the Program.

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
Mean of CGPA or mean percentage of all successful students(X)	5.42	5.40	5.86
Y=Total no. of successful students	93.00	93.00	88.00
Z=Total no. of students appeared in the examination	93.00	93.00	88.00
API [X*(Y/Z)]	5.42	5.40	5.86

Average API[(AP1+AP2+AP3)/3] : 5.56

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	5.52	5.53	6.24
Y=Total no. of successful students	144.00	120.00	145.00
Z=Total no. of students appeared in the examination	163.00	123.00	150.00

API [X * (Y/Z)]	4.88	5.40	6.03

Average API [(AP1 + AP2 + AP3)/3] : 5.44

B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	6.36	5.88	6.34
Y=Total no. of successful students	115.00	143.00	131.00
Z=Total no. of students appeared in the examination	120.00	145.00	134.00
API [X*(Y/Z)]:	6.09	5.80	6.20

Average API [(AP1 + AP2 + AP3)/3] : 6.03

B9. Placement, Higher Studies, and Entrepreneurship

Table No.B9.1: Placement, higher studies, and entrepreneurship details.

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	195.00	207.00	213.00
X=No. of students placed	64.00	62.00	72.00
Y=No. of students admitted to higher studies	53.00	42.00	37.00
Z= No. of students taking up entrepreneurship	4.00	4.00	9.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	62.05	52.17	55.40

Average Placement Index = (P_1 + P_2 + P_3)/3: 56.54 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

(Data to be filled in for the Department and Allied Departments)

C1. Faculty details of Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Curr Ass (Y/N
1	VRAJESH PATEL	XXXXXXX83B	Ph.D	Parul University, Vadodara	Structural Engineering	10/06/2023	2.6	Assistant Professor	Associate Professor	01/06/2024	Regular	Yes
2	HARDIK SOLANKI	XXXXXXX78L	Ph.D	Parul University, Vadodara	Structural Engineering	06/09/2014	11.4	Assistant Professor	Assistant Professor		Regular	Yes
3	VANSHIKA JINGAR	XXXXXXX91L	M.E.	The Maharaja Sayajirao University , Vadodara	Geotechnical Engineering	15/06/2015	10.5	Assistant Professor	Assistant Professor		Regular	Yes
4	ALKA TOMAR	XXXXXXX22Q	M.Tech	Visvesvaraya Technological University, Belgaum	Structural Engineering	01/02/2017	8.10	Assistant Professor	Assistant Professor		Regular	Yes
5	HARDIK KHARVA	XXXXXXX67P	M.E.	Gujarat Technological University	Structural Engineering	19/02/2018	7.9	Assistant Professor	Assistant Professor		Regular	Yes
6	ANKITA SHARMA	XXXXXXX17Q	M.E.	Gujarat Technological University	Transportation Engineering	19/02/2018	7.9	Assistant Professor	Assistant Professor		Regular	Yes

7	HIMANSHU MEENA	XXXXXXX95A	M.Tech	Sardar Vallabhbhai National Institute of Technology, Surat	Water Resources Engineering	09/07/2018	7.5	Assistant Professor	Assistant Professor		Regular	Yes
8	PRINCE RATHOD	XXXXXXX84H	M.Tech	Parul University, Vadodara	Geotechnical Engineering	06/08/2018	7.4	Assistant Professor	Assistant Professor		Regular	Yes
9	PARUL BANSAL	XXXXXXX77M	M.Tech	Kurukshetra University, Kurukshetra	Structural Engineering	10/08/2018	7.4	Assistant Professor	Assistant Professor		Regular	Yes
10	SNEHANSU NATH	XXXXXXX20P	Ph.D	National Institute of Technology, Silchar	Structural Engineering	08/08/2019	6.4	Assistant Professor	Assistant Professor		Regular	Yes
11	TEJAS PANDYA	XXXXXXX96K	M.Tech	Parul University, Vadodara	Transportation Engineering	08/07/2020	5.5	Assistant Professor	Assistant Professor		Regular	Yes
12	MONAL PATEL	XXXXXXX58C	M.E.	The Maharaja Sayajirao University , Vadodara	Water Resources Engineering	30/09/2020	5.2	Assistant Professor	Assistant Professor		Regular	Yes
13	MAMATA RAJGOR	XXXXXXX07L	M.E.	Birla Vishvakarma Mahavidyalaya, Anand	Construction Engineering & Management	01/10/2020	5.2	Assistant Professor	Assistant Professor		Regular	Yes
14	JAYDEEP PIPALIYA	XXXXXXX12F	M.Tech	Parul University, Vadodara	Construction Project Management	12/01/2021	4.10	Assistant Professor	Assistant Professor		Regular	Yes
15	NIRAV PATEL	XXXXXXX25N	Ph.D	Parul University, Vadodara	Structural Engineering	18/10/2021	4.2	Assistant Professor	Assistant Professor		Regular	Yes
16	VIJAY LALWANI	XXXXXXX01A	M.Tech	Parul University, Vadodara	Transportation Engineering	01/06/2013	12.6	Lecturer	Assistant Professor		Regular	Yes
17	SHILPA PATHAK	XXXXXXX39C	M.E.	The Maharaja Sayajirao University , Vadodara	Hydraulic Structure	09/03/2012	13.9	Lecturer	Assistant Professor		Regular	Yes
18	ANKIT GOAD	XXXXXXX59E	M.E.	The Maharaja Sayajirao University , Vadodara	Structural Engineering	01/06/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes
19	PRIYANKA MEHTA	XXXXXXX99C	M.E.	Gujarat Technological University	Environmental Management	13/06/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes
20	VANDANA PANDYA	XXXXXXX18K	M.E.	The Maharaja Sayajirao University , Vadodara	Hydraulic Structure	11/10/2007	18.2	Lecturer	Assistant Professor		Regular	Yes
21	KARAN CHAUHAN	XXXXXXX64J	M.E.	The Maharaja Sayajirao University, Vadodara	Geotechnical Engineering	31/07/2023	2.4	Assistant Professor	Assistant Professor		Regular	Yes
22	DARSHIT SHAH	XXXXXXX73K	M.Tech	Parul University, Vadodara	Construction Project Management	01/08/2023	2.4	Assistant Professor	Assistant Professor		Regular	Yes
23	BANYA RANI KHAN	XXXXXXX39P	M.Tech	Parul University, Vadodara	Construction Project Management	01/08/2023	2.4	Assistant Professor	Assistant Professor		Regular	Yes

24	RINA CHOKSHI	XXXXXXX01D	M.E.	The Maharaja Sayajirao University , Vadodara	Hydraulic Structure	01/09/2007	18.3	Lecturer	Assistant Professor		Regular	Yes
25	AJAYSINH VAGHELA	XXXXXXX13B	Ph.D	Sardar Vallabhbhai National Institute of Technology, Surat	Structural Engineering	01/08/2025	0.4	Assistant Professor	Assistant Professor		Regular	Yes
26	KHUSHBU BHATT	XXXXXXX62K	Ph.D	Institute of Infrastructure Technology Research and Management, Ahmedabad	Transportation Engineering	09/12/2024	1	Assistant Professor	Assistant Professor		Regular	Yes
27	LOHIT UPADHAY	XXXXXXX63K	M.E.	National Institute of Technical Teachers Training and Research, Chandigarh	Transportation Engineering	03/06/2023	2.6	Assistant Professor	Assistant Professor		Regular	Yes
28	EKTA MISHRA	XXXXXXX31J	M.Tech	Maharshi Dayanand University, Rohtak	Structural Engineering	16/09/2024	1.2	Assistant Professor	Assistant Professor		Regular	Yes
29	HIRAL PATEL	XXXXXXX68C	M.E.	Gujarat Technological University	Construction Management	21/08/2024	1.3	Assistant Professor	Assistant Professor		Regular	Yes
30	URVI UPADHYAY	XXXXXXX16L	M.Tech	Parul University, Vadodara	Transportation Engineering	22/08/2014	11.3	Lecturer	Assistant Professor		Regular	Yes
31	ISHA LAD	XXXXXXX52L	M.E.	Gujarat Technological University	Environmental Management	10/03/2023	2.9	Assistant Professor	Assistant Professor		Regular	Yes
32	SAEED AHMED G.KHOKHAR	XXXXXXX35D	M.E.	The Maharaja Sayajirao University , Vadodara	Irrigation water Management	02/05/2011	14.7	Assistant Professor	Assistant Professor		Regular	Yes
33	RUCHI SHRIVASTAVA	XXXXXXX08J	Ph.D	Gujarat Technological University	Geotechnical Engineering	01/07/2008	17.5	Lecturer	Professor	01/06/2024	Regular	Yes
34	PRAPTI LALPURIYA	XXXXXXX53P	M.E.	The Maharaja Sayajirao University, Vadodara	Highway and Transportation Engineering	01/01/2024	1.11	Assistant Professor	Assistant Professor		Regular	Yes
35	DHRUVI ACHARYA	XXXXXXX14P	M.E.	The Maharaja Sayajirao University, Vadodara	Hydraulic Structure	13/08/2024	1.3	Assistant Professor	Assistant Professor		Regular	Yes
36	POOJA AGARWAL	XXXXXXX05E	Ph.D	Indian Institute of Technology Roorkee.	Water Resources Engineering	27/06/2023	1.10	Assistant Professor	Assistant Professor		Regular	No
37	JAYESH JUREMALANI	XXXXXXX94T	Ph.D	Sardar Vallabhbhai National Institute of Technology, Surat.	Transportation Engineering	01/01/2016	9.4	Assistant Professor	Associate Professor	01/07/2020	Regular	No

38	SUHASINI M. KULKARNI	XXXXXXX08C	Ph.D	Sardar Vallabhbhai National Institute of Technology, Surat.	Structural Engineering	10/07/2006	18.9	Lecturer	Associate Professor	01/03/2017	Regular	No
39	KOMAL MEHTA	XXXXXXX32F	Ph.D	The Maharaja Sayajirao University , Vadodara	Environmental Engineering	01/06/2023	2.6	Professor	Professor		Regular	Yes
40	NIDHI HALBE	XXXXXXX94C	M.Tech	Sarvajanik College of Engineering and Technology , Surat	Environmental Engineering	21/06/2023	1.4	Assistant Professor	Assistant Professor		Regular	No

Table No.C2: Faculty details of Allied Departments for the past 3 years including CAY.

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):
UG1=1st UG program
UGn=nth UG program
B= No. of Students in UG 2nd year (ST)
C= No. of Students in UG 3rd year (ST)
D= No. of Students in UG 4th year (ST)
No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):
PG1=1st PG program.
PGm=mth PG program
A= No. of Students in PG 1st year
B= No. of Students in PG 2nd year
Student Faculty Ratio **(SFR)** = S/F
S= No. of students of all programs in the Department including all students of allied departments/clusters.
No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)
Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.
F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

No. of UG Programs in the Department1 No. of PG Programs in the Department3

Table No.C2.1: Student-faculty ratio.

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B	165	165	165
UG1.C	165	165	165
UG1.D	165	165	165
UG1: Civil Engineering	**495**	**495**	**495**
PG1.A	25	25	30
PG1.B	25	30	0
PG1: Construction Project Management	**50**	**55**	**30**
PG2.A	15	10	20
PG2.B	10	20	15
PG2: Structural Engineering	**25**	**30**	**35**
PG3.A	5	5	5
PG3.B	5	5	5
PG3: Transportation Engineering	**10**	**10**	**10**
DS=Total no. of students in all UG and PG programs in the Department	580	590	570
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 580	**S2=** 590	**S3=** 570
DF=Total no. of faculty members in the Department	36	36	33
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 36	**F2=** 36	**F3=** 33

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 16.57**	**SFR2= 16.86**	**SFR3= 17.81**
Average SFR for 3 years	**SFR= 17.08**		

C3. Faculty Qualification

- Faculty qualification index (FQI) = 2.5 * [(10X +4Y)/RF] where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = 2.5 x [(10X + 4Y) / RF)]
2025-26(CAY)	8	28	28.00	17.14
2024-25(CAYm1)	8	28	29.00	16.55
2023-24(CAYm2)	7	26	28.00	15.54

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = 1/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents:.
- RF2= No. of Associate Professors required = 2/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- RF3= No. of Assistant Professors required = 6/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

Table No.C4.1: Faculty cadre proportion details.

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	3.00	2.00	6.00	1.00	19.00	33.00
2024-25	3.00	2.00	6.00	3.00	19.00	31.00
2023-24	3.00	1.00	6.00	3.00	19.00	29.00
Average	RF1=3.00	AF1=1.67	RF2=6.00	AF2=2.33	RF2=19.00	AF2=31.00

C5. Visiting/Adjunct Faculty/Professor of Practice

Table No. C5.1: List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr Dilip Shete	Retired Professor	The M S University of Baroda	Btech Civil (Fluid Mechanics)	52.00
2	Mr Hirak Shah	Owner	Light Gauge Steel India	Btech Civil (Construction Techniques, Design of Steel Structures)	54.00
3	Mr Ronak Bhudrani	Proprietor	Civilarcc Engineering and Project Consultant Private Limited	Btech Civil (Traffic Engineering)	52.00
4	Mr. Saurabh kumar Bind	Area Relationship Manager	India Cements	Btech Civil (Structural Engineering)	54.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr Dilip Shete	Retired Professor	The M S University of Baroda	Btech Civil (Fluid Mechanics)	52.00
2	Mr Hirak Shah	Owner	Light Gauge Steel India	Btech Civil (Construction Techniques, Design of Steel Structures)	54.00
3	Mr Ronak Bhudrani	Proprietor	Civilarcc Engineering and Project Consultant Private Limited	Btech Civil (Traffic Engineering)	52.00
4	Mr. Saurabh kumar Bind	Area Relationship Manager	India Cements	Btech Civil (Structural Engineering)	54.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr Dilip Shete	Retired Professor	The M S University of Baroda	Btech Civil (Fluid Mechanics)	52.00
2	Mr Hirak Shah	Owner	Light Gauge Steel India	Btech Civil (Construction Techniques, Design of Steel Structures)	54.00
3	Mr Ronak Bhudrani	Proprietor	Civilarcc Engineering and Project Consultant Private Limited	Btech Civil (Traffic Engineering)	52.00
4	Mr. Saurabh kumar Bind	Area Relationship Manager	India Cements	Btech Civil (Structural Engineering)	54.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	43	19	3
2	No. of peer reviewed conference papers published	12	4	2
3	No. of books/book chapters published	7	1	0

C7. Sponsored Research Project

Table No. C7.1: List of sponsored research projects received from external agencies.

(CAYm1)

(CAYm2)

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr Arvind Yadav	Seema Nihalani	Parul University	AI, IoT and Digital Technologies for Future Sustainable Smart Cities	(A) The Royal Academy of Engineering incorporated by Royal Charter of 3 Carlton House Terrace, London SW1Y 5DG, Registered Charity 293074	2	97.58
						Amount received (Rs.):97.58

Total Amount (Lacs) Received for the Past 3 Years: 97.58

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

Table No. C8.1: List of consultancy projects received from external agencies.

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Darshit Shah	Dr Nirav Patel	Consultancy Centre Unit of Parul University	Concrete Cube Testing	Aura Realty	01 Month	0.04
Gaurav Agarwal	NA	Consultancy Centre Unit of Parul University	Environment Audit	M/S Prakruti Environmental Engineers	1 year	0.17
Gaurav Agarwal	NA	Consultancy Centre Unit of Parul University	Environment Audit	M/S.Gujarat Alkalies & Chemicals Ltd	1 year	15.94
Gaurav Agarwal	NA	Consultancy Centre Unit of Parul University	Environment Audit	TSDF Site of GACL,(Captive)	1 year	3.89
Gaurav Agarwal	NA	Consultancy Centre Unit of Parul University	Environment Audit	M/S Dynemic Products Ltd (Unit-3)	1 year	7.85
Gaurav Agarwal	NA	Consultancy Centre Unit of Parul University	Environment Audit	M/S Mayur Dye Chem Intermediates Ltd	1 year	4.43
Gaurav Agarwal	NA	Consultancy Centre Unit of Parul University	Environment Audit	M/S. Meghmani Novotech Ltd	1 year	4.37
Gaurav Agarwal	NA	Consultancy Centre Unit of Parul University	Environment Audit	M/s Colourtex Industries Pvt Ltd.	1 year	4.55
Gaurav Agarwal	NA	Consultancy Centre Unit of Parul University	Environment Audit	M/s ONCC Petro Additions Limited	1 year	8.22
						Amount received (Rs.):49.46

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr Hardik Solanki	Dr Suhasini Kulkarni	Structural Design and Material Testing Consultancy Cell	Collection Sump	West India Consultancy Services	01 Month	0.05
Nidhi Amit Halbe	NA	Consultancy Centre Unit of Parul University	Environment Audit	Heubach pigments Pvt Ltd	1 Year	3.03
Nidhi Amit Halbe	NA	Consultancy Centre Unit of Parul University	Environment Audit	TSDF Site of Panchmahal Steel Ltd	1 Year	1.02
Nidhi Amit Halbe	NA	Consultancy Centre Unit of	Environment Au	Pidilite Industries Pvt Ltd	1 Year	1.07
Nidhi Amit Halbe	NA	Consultancy Centre Unit of	Environment Au	Heubach pigments Pvt Ltd	1 Year	3.03
Gaurav Agarwal	NA	Consultancy Centre Unit of	Environment Au	Jetpur Dyeing And Printing Association	1 Year	0.60
Gaurav Agarwal	NA	Consultancy Centre Unit of	Environment Au	Jemby Chem Ltd.	1 Year	0.59
Gaurav Agarwal	NA	Consultancy Centre Unit of	Environment Au	Insecticides India Ltd	1 Year	2.13
Gaurav Agarwal	NA	Consultancy Centre Unit of	Environment Au	Insecticides India Ltd.	1 Year	2.13
Gaurav Agarwal	NA	Consultancy Centre Unit of	Environment Au	M/s Dhaplaxmi industries	1 Year	0.30
Gaurav Agarwal	NA	Consultancy Centre Unit of	Environment Au	Alembic Pharmaceuticals Ltd.	1 Year	1.48
Gaurav Agarwal	NA	Consultancy Centre Unit of	Environment Au	Indofil Industries Ltd.	1 Year	1.85
Gaurav Agarwal	NA	Consultancy Centre Unit of	Environment Au	Pidilite Industries Pvt Ltd	1 Year	1.07
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Au	Gujarat State Electricity Corporation Ltd.	1 Year	2.13
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Au	M/S Kiri Industries Limited	1 Year	1.11
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Au	M/S Kiri Industries Limited	1 Year	1.51
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Au	/S Lonsen Kiri Chemical Industries Pvt. Ltd	1 Year	1.62
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Au	M/S. Rohan Dye & Intermediates Ltd' Unit-I	1 Year	0.07
						Amount received (Rs.):24.79

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Hardik Solanki	Dr Suhasini Kulkarni & Snehansu Nath	Structural Design and Material Testing Consultancy Cell	Survey	Shreeji Infra(9725699401	1 Month	0.02
Hardik Solanki	Dr Suhasini Kulkarni & Snehansu Nath	Structural Design and Material Testing Consultancy Cell	Survey	Shreenathji Infra(9725699401)	1 Month	0.01
Gaurav Agarwal	NA	Consultancy Centre Unit of Parul University	nvironment Audit	Gopinath CHEMTECHLTD	1 Year	0.50
Gaurav Agarwal	NA	Consultancy Centre Unit of Parul University	nvironment Audit	Promethea TechSrnth Private Limited	1 Year	1.77
Gaurav Agarwal	NA	Consultancy Centre Unit of Parul University	nvironment Audit	Jetpur Dyeing And Printing Association	1 Year	0.71
Gaurav Agarwal	NA	Consultancy Centre Unit of Parul University	nvironment Audit	Gopinath CHEMTECHLTD	1 Year	0.50
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	Alembic Pharmaceuticals Limited	1 Year	0.55
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	Alembic Pharmaceuticals Limited	1 Year	0.91
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S Aries Colour Chem Pvt. Ltd.	1 Year	0.86
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S Aries Colour Chem Pvt. Ltd.	1 Year	1.01
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S BASF India Limited	1 Year	2.14
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S BASF India Limited	1 Year	1.90
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S BASF India Limited	1 Year	1.50
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S DTC Industries	1 Year	0.69
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S DTC Industries	1 Year	0.63
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S DTC Industries	1 Year	0.75
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	Gujarat State Electricity Corporation Ltd.	1 Year	1.81
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	Gujarat State Electricity Corporation Ltd.	1 Year	1.39
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S Kiri Industries Limited	1 Year	1.43
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S Lonsen Kiri Chemical Industries Pvt. Ltd	1 Year	1.67
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S Lonsen Kiri Chemical Industries Pvt. Ltd	1 Year	1.48
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S. Meghmani Finechem Ltd	1 Year	1.23
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S. Meghmani Finechem Ltd	1 Year	1.15
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S. Meghmani Finechem Ltd	1 Year	1.44
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S. PI Industries Ltd.	1 Year	1.74
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S. PI Industries Ltd.	1 Year	0.91
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S. PI Industries Ltd.	1 Year	1.58

Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S. Rohan Dye & Intermediates Ltd' Unit-I	1 Year	0.76
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S. Rohan Dye & Intermediates Ltd' Unit-I	1 Year	0.40
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S. Sun Pharmaceuticals Ltd	1 Year	1.64
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S. Sun Pharmaceuticals Ltd	1 Year	1.03
Seema Nilhani	NA	Parul Institute of Technology, Parul University	Environment Audit	M/S. Sun Pharmaceuticals Ltd	1 Year	1.50
						Amount received (Rs.):35.61

Total amount (Lacs) received for the past 3 years: 109.86

Note*:

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

C9. Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr Ruchi Shrivastava and Priyanka Mehta	Photocatalytic Treatment of Textile Industrial Wastewater using MOF-UI066	1 year	2.30	1.50	Research Paper Presented in conference in PICET 2024 (Awarded with Best Paper)
Dr Ruchi Shrivastava	Geo Practices , IIT Hyderabad	2 days	0.12	0.12	Paper Presented : Influence of Spacing of drains on rate settlement reduction in soft soils
Darshit Shah	Power System Protection & Control	1 Day	0.10	0.10	Research Paper Published
			Amount received (Rs.): 2.52		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Hardik Solanki	Sensory Framework for Non-Destructive Monitoring and Evaluation of On-Site Concrete Conditions	1 Year	2.99	0.71	Research Paper Published
Dr Vrajesh Patel	Paper presentation in Conference at Mumbai	3 Days	0.15	0.15	Research Paper Published
Dr Ruchi Shrivastava	IGC Roorkee Conference	2 Days	0.10	0.10	Research Paper Published
Dr. Nirav Patel	ICTCS Conference 2023	2 Days	0.10	0.10	Research Paper Published
			Amount received (Rs.): 3.34		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Nirav Patel	ICTCS Conference 2022	2 days	0.15	0.15	Presented a paper on Information and Communication Technology For Competitive Strategies : Intelligent Strategies for ICT
			Amount received (Rs.): 0.15		

Total amount (Lacs) received for the past 3 years : 6.01

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

D1. Adequate and Well-Equipped Laboratories, and Technical Manpower

Table No.D1.1: List of laboratories and technical manpower.

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Highway Laboratory	25	1. Ring & ball apparatus 2. Standard tar viscometer 3. Digital	IV sem, VI sem	Kadar Dave	Lab Assistant	B.Tech Civil
2	Fluid Mechanics Laboratory	25	1. Study of free & forced vortex 2. Flat bottomed vessel metacentric	III sem, IV sem	Wasif Ahmed S	Lab Assistant	B.Tech Civil
3	Environment Engineering Laboratory	25	1. Turbidity meter 2. Jar test apparatus 3. pH meter 4. Hot	IV sem, V sem	Shruti Vinzuda	Lab Assistant	M.Sc Organic
4	Survey Laboratory	25	1. Compass (Prismatic) 2. Compass surveyor 3. Dumpy	III sem 4 batch	Chintan R Par	Lab Assistant	B.Tech Civil
5	Geotechnical Laboratory	25	1. Liquid limit device (Manual) 2. Liquid limit cone penetrometer 3.	IV sem, V sem	Rakesh Vasav	Lab Assistant	Bachelor of Ru
6	Concrete Laboratory	25	1. Vicat apparatus 2. Le chatelier's apparatus 3. Slump test	III sem 4 batch	Ekta Dawda	Lab Assistant	M.Sc Analytica
7	CAD Laboratory	25	1. 40 PCs 2. AutoCAD 2017 3. MATLAB 4. Optum g2 5.	III sem 4 batch	Parmar Bahad	Lab Assistant	Diploma in Ho
8	Mechanic of Solids Laboratory	25	1. Pully demonstration set 2. Inclined plane 3. Screw jack	III sem 4 batch	Bhavin Padhiy	Lab Assistant	Bachelor of Ru
9	Strength of Material Laboratory	25	1. Compression testing machine 2. Rockwell hardness test	VI sem 4 batch	Parthkumar Ra	Lab Assistant	Bachelor of Ru

D2. Safety Measures in Laboratories

Table No. D2.1: List of various safety measures in laboratories.

Sr. No	Laboratory Name	Safety Measures
1	Geotechnical Engineering laboratory	1. Safety rules displayed, Fire extinguisher in each lab lobby. 2. Hand gloves, first aid kit, fire alarm, Fire exit illuminated written at every point. 3. Additional MCB for each main equipment's. 4. Periodic maintenance done, clean and hygienic labs, and appropriate material chemical equipment/ instruments storage area. 5. Concealed electric wires installed in lab. 6. Use of mobile phones is strictly prohibited. Specific Do's and Don'ts for Labs Do's • Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. • Read and understand how to carry out an activity thoroughly before coming to the laboratory. • Report fires or accidents to your lecturer/laboratory technician immediately • Report any broken plugs or exposed electrical wires to your lecturer/laboratory technician immediately. Don't' • Do not eat or drink in the laboratory. • Avoid stepping on electrical wires or any other computer cables. • Do not open the system unit casing or monitor casing particularly when the power is turned on. Some internal components hold electric voltages of up to 30000 volts, which can be fatal.

2	Environment Engineering laboratory	1. Safety rules displayed, Fire extinguisher in each lab lobby. 2. Hand gloves, first aid kit, apron, fire alarm, Fire exit illuminated written at every point. 3. Additional MCB for each main equipment's. 4. Periodic maintenance done, clean and hygienic labs, and appropriate material chemical equipment/ instruments storage area. 5. Concealed electric wires installed in lab. 6. Use of mobile phones is strictly prohibited. Specific Do's and Don'ts for Labs Do's • Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. • Read and understand how to carry out an activity thoroughly before coming to the laboratory. • Report fires or accidents to your lecturer/laboratory technician immediately • Report any broken plugs or exposed electrical wires to your lecturer/laboratory technician immediately. Don't' • Do not eat or drink in the laboratory. • Avoid stepping on electrical wires or any other computer cables. • Do not open the system unit casing or monitor casing particularly when the power is turned on. Some internal components hold electric voltages of up to 30000 volts, which can be fatal.
3	Environment Audit laboratory	1. Safety rules displayed, Fire extinguisher in each lab lobby. 2. Hand gloves, first aid kit, apron, fire alarm, Fire exit illuminated written at every point. 3. Additional MCB for each main equipment's. 4. Periodic maintenance done, clean and hygienic labs, and appropriate material chemical equipment/ instruments storage area. 5. Concealed electric wires installed in lab. 6. Use of mobile phones is strictly prohibited. Specific Do's and Don'ts for Labs Do's • Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. • Read and understand how to carry out an activity thoroughly before coming to the laboratory. • Report fires or accidents to your lecturer/laboratory technician immediately • Report any broken plugs or exposed electrical wires to your lecturer/laboratory technician immediately. Don't' • Do not eat or drink in the laboratory. • Avoid stepping on electrical wires or any other computer cables. • Do not open the system unit casing or monitor casing particularly when the power is turned on. Some internal components hold electric voltages of up to 30000 volts, which can be fatal. • Do not insert metal objects such as clips, pins and needles into the computer casings. They may cause fire.
4	Transportation Engineering laboratory	1. Safety rules displayed, Fire extinguisher in each lab lobby. 2. Hand gloves, first aid kit, fire alarm, Fire exit illuminated written at every point. 3. Additional MCB for each main equipment's. 4. Periodic maintenance done, clean and hygienic labs, and appropriate material chemical equipment/ instruments storage area. 5. Concealed electric wires installed in lab. 6. Use of mobile phones is strictly prohibited. Specific Do's and Don'ts for Labs Do's • Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. • Read and understand how to carry out an activity thoroughly before coming to the laboratory. • Report fires or accidents to your lecturer/laboratory technician immediately • Report any broken plugs or exposed electrical wires to your lecturer/laboratory technician immediately. Don't' • Do not eat or drink in the laboratory. • Avoid stepping on electrical wires or any other computer cables. • Do not open the system unit casing or monitor casing particularly when the power is turned on. Some internal components hold electric voltages of up to 30000 volts, which can be fatal.
5	Fluid mechanics laboratory	1. Safety rules displayed, Fire extinguisher in each lab lobby. 2. Hand gloves, first aid kit, fire alarm, Fire exit illuminated written at every point. 3. Additional MCB for each main equipment's. 4. Periodic maintenance done, clean and hygienic labs, and appropriate material chemical equipment/ instruments storage area. 5. Concealed electric wires installed in lab. 6. Use of mobile phones is strictly prohibited. Specific Do's and Don'ts for Labs Do's • Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. • Read and understand how to carry out an activity thoroughly before coming to the laboratory. • Report fires or accidents to your lecturer/laboratory technician immediately • Report any broken plugs or exposed electrical wires to your lecturer/laboratory technician immediately. Don't' • Do not eat or drink in the laboratory. • Avoid stepping on electrical wires or any other computer cables. • Do not open the system unit casing or monitor casing particularly when the power is turned on. Some internal components hold electric voltages of up to 30000 volts, which can be fatal.

6	Concrete technology laboratory	1. Safety rules displayed, Fire extinguisher in each lab lobby. 2. Hand gloves, first aid kit, fire alarm, Fire exit illuminated written at every point. 3. Additional MCB for each main equipment's. 4. Periodic maintenance done, clean and hygienic labs, and appropriate material chemical equipment/ instruments storage area. 5. Concealed electric wires installed in lab. 6. Use of mobile phones is strictly prohibited. Specific Do's and Don'ts for Labs Do's • Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. • Read and understand how to carry out an activity thoroughly before coming to the laboratory. • Report fires or accidents to your lecturer/laboratory technician immediately • Report any broken plugs or exposed electrical wires to your lecturer/laboratory technician immediately. Don't' • Do not eat or drink in the laboratory. • Avoid stepping on electrical wires or any other computer cables. • Do not open the system unit casing or monitor casing particularly when the power is turned on. Some internal components hold electric voltages of up to 30000 volts, which can be fatal.
7	Surveying laboratory	1. Safety rules displayed, Fire extinguisher in each lab lobby. 2. First aid kit, fire alarm, Fire exit illuminated written at every point. 3. Periodic maintenance done, clean and hygienic labs, and appropriate material chemical equipment/ instruments storage area. 4. Concealed electric wires installed in lab. 5. Use of mobile phones is strictly prohibited. Specific Do's and Don'ts for Labs Do's • Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. • Report fires or accidents to your lecturer/laboratory technician immediately • Report any broken plugs or exposed electrical wires to your lecturer/laboratory technician immediately. Don't' • Do not eat or drink in the laboratory. • Avoid stepping on electrical wires or any other computer cables.
8	Mechanics of solid laboratory	1. Safety rules displayed, Fire extinguisher in each lab lobby. 2. First aid kit, fire alarm, Fire exit illuminated written at every point. 3. Additional MCB for each main equipment's. 4. Periodic maintenance done, clean and hygienic labs, and appropriate material chemical equipment/ instruments storage area. 5. Concealed electric wires installed in lab. 6. Use of mobile phones is strictly prohibited. Specific Do's and Don'ts for Labs Do's • Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. • Read and understand how to carry out an activity thoroughly before coming to the laboratory. • Report fires or accidents to your lecturer/laboratory technician immediately • Report any broken plugs or exposed electrical wires to your lecturer/laboratory technician immediately. Don't' • Do not eat or drink in the laboratory. • Avoid stepping on electrical wires or any other computer cables. • Do not open the system unit casing or monitor casing particularly when the power is turned on. Some internal components hold electric voltages of up to 30000 volts, which can be fatal.
9	Strength of Material laboratory	1. Safety rules displayed, Fire extinguisher in each lab lobby. 2. First aid kit, fire alarm, Fire exit illuminated written at every point. 3. Additional MCB for each main equipment's. 4. Periodic maintenance done, clean and hygienic labs, and appropriate material chemical equipment/ instruments storage area. 5. Concealed electric wires installed in lab. 6. Use of mobile phones is strictly prohibited. Specific Do's and Don'ts for Labs Do's • Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. • Read and understand how to carry out an activity thoroughly before coming to the laboratory. • Report fires or accidents to your lecturer/laboratory technician immediately • Report any broken plugs or exposed electrical wires to your lecturer/laboratory technician immediately. Don't' • Do not eat or drink in the laboratory. • Avoid stepping on electrical wires or any other computer cables. • Do not open the system unit casing or monitor casing particularly when the power is turned on. Some internal components hold electric voltages of up to 30000 volts, which can be fatal.

10	CAD Lab	1. Safety rules displayed, Fire extinguisher in each lab lobby. 2. First aid kit, fire alarm, Fire exit illuminated written at every point. 3. Additional MCB for each main equipment's. 4. Periodic maintenance done, clean and hygienic labs, and appropriate material chemical equipment/ instruments storage area. 5. Concealed electric wires installed in lab. 6. Use of mobile phones is strictly prohibited. Specific Do's and Don'ts for Labs Do's • Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. • Read and understand how to carry out an activity thoroughly before coming to the laboratory. • Report fires or accidents to your lecturer/laboratory technician immediately • Report any broken plugs or exposed electrical wires to your lecturer/laboratory technician immediately. Don't' • Do not eat or drink in the laboratory. • Avoid stepping on electrical wires or any other computer cables. • Do not open the system unit casing or monitor casing particularly when the power is turned on. Some internal components hold electric voltages of up to 30000 volts, which can be fatal. • Do not insert metal objects such as clips, pins and needles into the computer casings. They may cause fire.

D3. Project Laboratory/Research Laboratory

Project laboratory/research laboratory /centre of excellence

A. Availability of project laboratories/research laboratories

The department provides well-equipped and accessible project/research laboratories that effectively support student projects, faculty research, and innovation activities. Dedicated labs are available for core domains of Civil Engineering.

Key highlights:

- **Dedicated Project Labs:** Separate spaces for final-year projects and research work.
- **Modern Equipment & Software:** High-performance systems, licensed software (e.g., STAAD Pro., AUTOCAD, E-tab, MIDAS ,etc.), and domain-specific toolkits.
- **Research Support:** Specialized Laboratories support interdisciplinary research and innovation.
- **Extended Lab Hours:** Flexible access beyond class hours for project work.
- **Safety & Compliance:** Proper safety guidelines, supervision, and maintenance protocols

Project and Research Laboratories at Civil Engineering

1. Environment Audit Lab
2. FAB Lab
3. Idea Lab
4. Micro Nano R&D Center
5. Founder Studio Lab
6. IOT and Innovation Lab
7. Drone Lab

<table>
<tr><td> 
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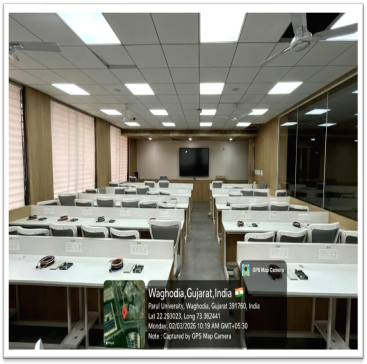
<tr><td>Environment Audit Lab</td><td>Micro Nano Lab</td></tr>
<tr><td>  </td><td> 
</td></tr>
<tr><td>FAB Lab</td><td>IDEA Lab</td></tr>
</table>

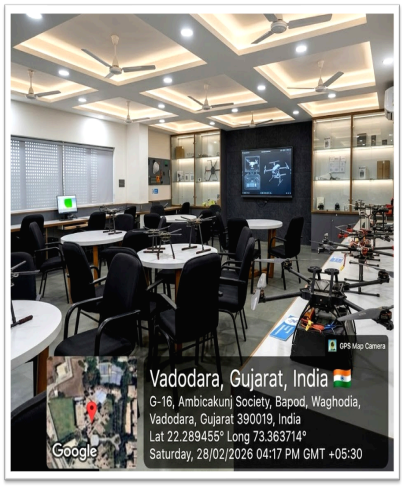
	
Founder Studio Lab	IOT and Innovation Lab
	
Drone Lab	

Fig. 7.5.1: Project and Research Labs

The lists of equipment used for project laboratory are listed below.

- Portable Air Quality Monitor
- High Volume Air Sampler
- Stack Emission Monitoring Kit
- Gas Analyzer
- Sound Level Meter
- Lux Meter
- pH Meter
- TDS Meter
- Dissolved Oxygen (DO) Meter
- BOD Incubator
- COD Digester
- Turbidity Meter
- Spectrophotometer
- Sensors & Actuators
- Digital Oscilloscope
- Multimeter
- VR Headsets
- Arduino / IoT Development Boards
- Scanning Electron Microscope (SEM)
- Atomic Force Microscope (AFM)
- X-Ray Diffraction (XRD) System

B. Utilization of project laboratories/research laboratory /Centre of excellence

The laboratories are optimally utilized throughout the academic year in a structured and outcome-based manner.

Modes of Utilization:

- **Final-Year Major Projects/Mini Projects:** Structural analysis, sustainable material development, water treatment design, traffic studies.
- **Consultancy Activities:** Material testing, structural auditing, soil investigation, water quality testing.
- **Certifications & Skill Development:** STAAD Pro, ETABS, GIS certification programs.
- **Research Outputs:** Publications in indexed journals, patents, prototypes, and technology transfer.
- **Faculty Research:** Funded research projects, consultancy work, prototypes, and publications executed in research labs

C. Relevance to POs/PSOs

The utilization of Project Laboratories and Research Laboratories is **strongly aligned with the Program Outcomes (POs) and Program Specific Outcomes (PSOs)** of the curriculum. All activities conducted in these facilities are mapped to clearly defined learning outcomes and competencies required by the program.

Table 7.5.1 PO-PSO mapping of Activity carried in Project lab/Research Lab

Activity Carried out in (Project Lab / Research Lab)	Mapped PO & PSO
Final-Year Major Projects (Problem-based)	PO8, PO9
Mini Projects	PO1, PO2, PO9
Certifications & Skill Training	PO5, PO12, PSO2
Research Publications & Patents	PO4, PO12, PSO1
Funded Research Project	PO2
Socially Relevant / Sustainable Projects	PO6, PO7, PO8

PART E: First Year faculty and financial Resources

(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) + (NS2*0.2))/RF
2023-24(CAYm2)	1920	96	53	86	62
2024-25(CAYm1)	1680	84	57	99	78
2025-26(CAY)	1650	82	54	100	77

E2. Budget Allocation, Utilization, and Public Accounting at Institute Level

Table No. E2.1: Budget and actual expenditure incurred at Institute level.

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	2000000	1395625	600000	1522500	3000000	558280	3020000	2953672
Library	11500000	10239783	400000	11170672	2800000	286496	2810000	2713622
Laboratory equipment	10000000	17939979	4100000	19570886	700000	373983	750000	683869
Teaching and non-teaching staff	710065000	442789454	336550000	512102034	324700000	317815471	335840000	310137171
Outreach Programs	21500000	4705204	4120000	5132950	10430000	3807709	10380000	10295112

R&D	1500000	6266250	5599000	6835909	9310000	5345256	10000000	9205092
Training, Placement and	11000000	14563908	59750000	15887900	17790000	59445096	17461000	17646077
SDGs	13000000	11719368	17040000	12784765	13820000	16420222	13538000	13109520
Entrepreneurship	150000000	124853350	73500000	136203654	76870000	71172416	77110000	75285035
Others, specify	0	0	0	0	0	0	0	0
Total	**930565000**	**634472921**	**501659000**	**721211270**	**459420000**	**475224929**	**470909000**	**442029170**

E3. Budget Allocation, Utilization, and Public Accounting at Program Specific Level

Table No. E3.1: Budget and actual expenditure incurred at program level.

Items	**Budgeted in 2025-26**	**Actual Expenses in 2025-26 till**	**Budgeted in 2024-25**	**Actual Expenses in 2024-25 till**	**Budgeted in 2023-24**	**Actual Expenses in 2023-24 till**	**Budgeted in 2022-23**	**Actual Expenses in 2022-23 till**
Laboratory equipment	610295.83	1094869.43	32599.79	1334818.02	59389.14	31729.33	65327.64	59567.40
Software	0	0	0	0	0	0	0	0
SDGs	793384.58	715228.14	1157292.46	845927.40	907805.43	1159941.35	905876.67	870234.78
Support for faculty development	1312136.04	287156.65	285248.14	350934.27	687217.19	271912.50	701183.38	700548.57
R & D	91544.37	382426.62	407497.34	484307.90	636312.22	408771.55	696828.21	646289.96
Industrial Training, Industry expert,	671325.41	888829.25	4074973.44	1060144.28	1306561.09	4226139.37	1310037.03	1336697.42
Miscellaneous Expenses*	0	0	0	0	0	0	0	0
Total	**3478686.23**	**3368510.09**	**5957611.17**	**4076131.87**	**3597285.07**	**6098494.10**	**3679252.93**	**3613338.13**