

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Chemical Engineering	Discipline: Engineering & Technology
Level : Under Graduate	Tier: 2
Application No: 12088	Date of Submission: 10-08-2026

PART A- Profile of the Institute

A1.Name of the Institute: Vyavasayi Vidya Pratishthan Engineering College(V.V.P. Engg College)	
Year of Establishment : 1995	Location of the Institute: 7P865Q Rajkot Gujarat
A2. Institute Address:Vajdi Virda, Kalawad Road, Rajkot - 360005	
City:Rajkot	State:Gujarat
Pin Code:360005	Website:www.vvpedulink.ac.in
Email:info@vvpedulink.ac.in	Phone No(with STD Code):9173-215401
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Gujarat Technological University Ahmedabad	City: Ahmedabad
State : Gujarat	Pin Code: 382424
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status: Self financing	

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

- No. of UG programs: 8
- No. of PG programs: 0

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	Engineering & Technology	UG	Biotechnology	2004	--	Biotechnology
2	Engineering & Technology	UG	Chemical Engineering	1996	--	Chemical Engineering
3	Engineering & Technology	Diploma	Chemical Engineering	2025	--	Chemical Engineering
4	Engineering & Technology	Diploma	Civil Engineering	2025	--	Civil Engineering
5	Engineering & Technology	UG	Civil Engineering	2011	--	Civil Engineering
6	Engineering & Technology	Diploma	Computer Engineering	2025	--	Computer Engineering
7	Engineering & Technology	UG	Computer Engineering	2001	--	Computer Engineering
8	Engineering & Technology	UG	Electrical Engineering	1996	--	Electrical Engineering
9	Engineering & Technology	Diploma	Electrical Engineering	2025	--	Electrical Engineering
10	Engineering & Technology	UG	Electronics & Communication Engineering	2001	--	Electronics and Communication Engineering
11	Engineering & Technology	Diploma	Information Technology	2025	--	Information Technology
12	Engineering & Technology	UG	Information Technology	1999	--	Information Technology
13	Engineering & Technology	UG	Mechanical Engineering	1996	--	Mechanical Engineering
14	Engineering & Technology	Diploma	Mechanical Engineering	2025	--	Mechanical Engineering

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
Chemical Engineering	No	Chemical 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	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION																																																																																																																								
1	Chemical Engineering	UG	1996 / --	40	Yes	2024	30	2024	F.No.: Central/1-43658591532/2024/EOA	Applying first time	--	--	0	4																																																																																																																								
<table><tr><th colspan="15">Sanctioned Intake for Last Five Years for the Chemical Engineering</th></tr><tr><th colspan="4">Academic Year</th><th colspan="11">Sanctioned Intake</th></tr><tr><td colspan="4">2025-26</td><td colspan="11">30</td></tr><tr><td colspan="4">2024-25</td><td colspan="11">30</td></tr><tr><td colspan="4">2023-24</td><td colspan="11">60</td></tr><tr><td colspan="4">2022-23</td><td colspan="11">60</td></tr><tr><td colspan="4">2021-22</td><td colspan="11">60</td></tr><tr><td colspan="4">2020-21</td><td colspan="11">60</td></tr></table>															Sanctioned Intake for Last Five Years for the Chemical Engineering															Academic Year				Sanctioned Intake											2025-26				30											2024-25				30											2023-24				60											2022-23				60											2021-22				60											2020-21				60										
Sanctioned Intake for Last Five Years for the Chemical Engineering																																																																																																																																						
Academic Year				Sanctioned Intake																																																																																																																																		
2025-26				30																																																																																																																																		
2024-25				30																																																																																																																																		
2023-24				60																																																																																																																																		
2022-23				60																																																																																																																																		
2021-22				60																																																																																																																																		
2020-21				60																																																																																																																																		

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 :	Dr. Vyomesh M. Parsana
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)	30	30	60	60	60	60	60
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	20	24	13	5	39	25	59
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	1	2	12	16	24	20
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	3	1	0	3	0	3	4
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	23	26	15	20	55	52	83

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)	30	20	3	76.67
2024-25 (CAYm1)	30	24	1	83.33
2023-24 (CAYm2)	60	13	0	21.67

Average [(ER1 + ER2 + ER3) / 3] = 60.56± 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).	66.00	66.00	83.00
B=No. of students who graduated from the program in the stipulated course duration	47.00	48.00	74.00
Success Rate (SR)= (B/A) * 100	71.21	72.73	89.16

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 77.70

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)
X=(Mean of 1st 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 1st year/10)	5.64	4.62	5.70
Y=Total no. of successful students	23.00	13.00	8.00
Z=Total no. of students appeared in the examination	25.00	13.00	8.00
API [X*(Y/Z)]	5.19	4.62	5.70

Average API[(AP1+AP2+AP3)/3] : 5.17

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)	5.59	5.38	6.15
Y=Total no. of successful students	14.00	18.00	47.00
Z=Total no. of students appeared in the examination	15.00	20.00	55.00
API [X * (Y/Z)]	5.22	4.84	5.26

Average API [(AP1 + AP2 + AP3)/3] : 5.11

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)	6.92	6.46	7.22
Y=Total no. of successful students	17.00	47.00	48.00
Z=Total no. of students appeared in the examination	18.00	47.00	49.00
API [X*(Y/Z)]:	6.54	6.46	7.07

Average API [(AP1 + AP2 + AP3)/3] : 6.69

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	66.00	66.00	83.00
X=No. of students placed	40.00	40.00	68.00
Y=No. of students admitted to higher studies	2.00	0.00	3.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	63.64	60.61	85.54

Average Placement Index = (P_1 + P_2 + P_3)/3: 69.93 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)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr. Vyomesh M. Parsana	XXXXXXXX24R	Ph.D	R.K. University, Rajkot	Chemical Engineering	06/01/2005	21.6	Lecturer	Associate Professor	14/12/2023	Regular	Yes		Yes
2	Dr. Piyush B. Vanzara	XXXXXXXX76R	Ph.D	MS University, Baroda	Chemical Engineering	24/12/2001	24.7	Lecturer	Professor	01/07/2017	Regular	Yes		No
3	Dr. Darshana T. Bhatti	XXXXXXXX79F	Ph.D	Gujarat Technological University, Ahmedabad	Chemical Engineering	07/08/2006	20	Assistant Professor	Associate Professor	14/12/2023	Regular	Yes		No
4	Dr. Sushil Korgaokar	XXXXXXXX44Q	Ph.D	Saurashtra University	Chemistry	14/08/1997	28.11	Lecturer	Associate Professor	11/12/2024	Regular	Yes		No
5	Mr. Jilesh M. Pandya	XXXXXXXX32B	M.E.	Gujarat University, Ahmedabad	Chemical Engineering	01/03/2006	20.5	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mr. Ajinkya M. Patwardhan	XXXXXXXX20R	M.Tech	R.T.M. Nagpur University	Chemical Engineering	24/12/2013	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Dr. Priyank D. Khirsariya	XXXXXXXX39D	Ph.D	Gujarat Technological University, Ahmedabad	Chemical Engineering	15/09/2014	11.10	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr. Pratik K. Koradiya	XXXXXXXX22Q	M.E.	Gujarat Technological University, Gandhinagar	Chemical Engineering	23/07/2015	11	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mr. Rahul G. Vaidya	XXXXXXXX62L	M.Tech	SVNIT, Surat	Chemical Engineering	05/12/2019	6.6	Assistant Professor	Assistant Professor		Regular	No	20/06/2026	No
10	Mrs. Dhara A. Upadhyay	XXXXXXXX70C	M.E.	Gujarat University, Ahmedabad	Chemical Engineering	08/02/2022	4.5	Assistant Professor	Assistant Professor		Regular	Yes		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 Department0

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	31	62	66
UG1.C	62	66	66
UG1.D	66	66	66
UG1: Chemical Engineering	159	194	198
DS=Total no. of students in all UG and PG programs in the Department	159	194	198
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= 159	S2= 194	S3= 198
DF=Total no. of faculty members in the Department	10	10	10
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= 10	F2= 10	F3= 10
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 15.90	SFR2= 19.40	SFR3= 19.80
Average SFR for 3 years	SFR= 18.37		

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)	5	5	7.00	25.00
2024-25(CAYm1)	4	6	9.00	17.78
2023-24(CAYm2)	4	6	9.00	17.78

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = $1/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents.}$
- RF2= No. of Associate Professors required = $2/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- RF3= No. of Assistant Professors required = $6/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- 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	1.00	1.00	2.00	3.00	5.00	6.00
2024-25	1.00	1.00	2.00	2.00	6.00	7.00
2023-24	1.00	1.00	2.00	0.00	7.00	9.00
Average	RF1=1.00	AF1=1.00	RF2=2.00	AF2=1.67	RF2=6.00	AF2=7.33

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	Mr. Bharat Jain	Member Secretary	Gujarat Cleaner Production Centre, Gandhinagar	Sustainable Industrial Development – Scenario of Gujarat	6.00
2	Mr. Vishal Sarvaiya	Founder	Shree Vam Chemical Industries, Rajkot	Entrepreneurial Opportunities for Chemical Engineering Students	6.00
3	Mr. Jaydeep Chavda	Shift Engineer	Reliance Industries Limited, Jamnagar	Navigating the Campus Placement Process: A Step to Step Guide	4.00
4	Mr. Deep Patel	Operation Engineer	Aegis Vopak Terminal Limited, Mumbai	Role of Chemical Engineer in Chemical Industry	6.00
5	Mr. Kartik Bhesdadiya	Research associate	Actylis Lab solutions, Ahmedabad	Career Advancement in Chemical Industries	6.00
6	Mr. Durgesh Parmar	Production Engineer	Zydus Group Ltd. Ahmedabad	Importance of Chemical Engineering in Pharmaceutical Industry	6.00
7	Mr Milan Muchhadiya	Owner	PENX Scientific, Rajkot	Guidance /steps to become Entrepreneur	4.00
8	Mr. Kevin Chothani	Senior Engineer	, Gujarat Heavy Chemical Limited Sutrapada	Company Ethics	4.00
9	Mr. Vivek Kansagara	Production Manager	Neogen Chemicals, Mahape, Navi Mumbai	Role and Responsibilities of Chemical Engineer in Industry	4.00
10	Mr. Jaydeep Chavda	Shift Engineer	Reliance Industries Limited, Jamnagar	Campus to Corporate	6.00
11	Mr. Purvin Raiyani	Owner	Jagnath Environment Lab and Consultancy, Gondal	Environment Consultancy	4.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr.Shirish Sonawane	Professor, Chemical Engineering Department	National Institute of Technology, Warangal	Process Intensification for Chemical Industries	6.00
2	Prof. J. N. Joshi	Ex. Officer GPCB and Ex. Retired Professor,	L. D. Engineering. College, Ahmadabad	SI Units" and "Air Pollution and its Consequences	6.00
3	Mr. Shreyas Sheth	Senior Business Executive	Airtel Bharti, Ahmedabad	Scope for Chemical Engineers after MBA	6.00
4	Mr. Rohit Mehta	Research Assistant	IIT Bombay	GATE revision and Guidance	6.00
5	Mr Hemang Jasani	Research Assistant	hte GmbH, Germany	Job prospects and higher studies admission in Germany and out	6.00
6	Mr. Heet Dagli	Owner	Dagli Jewel Creations, Rajkot	Enterprenure and business development	6.00
7	Mr. Deep Patel	Shift Incharge	Amoli Organics, Vadodara	Company Ethics	6.00
8	Mr. Kartik Bhesdadiya	Research associate	Actylis Lab solutions, Ahmedabad	Importance of Chemical engineering fundamentals in Industry	6.00
9	Mr. Durgesh Parmar	Environment Auditor	Environment Auditor, Ahmedabad	Importance of Core subjects in Career Building	6.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Dineshchandra Patel	D.G.M. Process	Nayara Energy Limited, Jamnagar	Introduction to Safety Valves and Flare Systems	6.00
2	Mr. Bharat Jain	Member Secretary	Gujarat Cleaner Production Centre, Gandhinagar	Cleaner Production: Success Stories and the Challenges	6.00
3	Ms. Minaz Makhaniya	Chief Technical Advisor	KBR Refining and Clean Fuels Technologies, Pune	Current Industrial Scenario	6.00
4	Ms. Yashvi Sheth	Research Assistant	IIT, Mumbai	Heavy Metal Remediation from Water Using Nano Composites	6.00
5	Mr. Dilip G. Panchamia	Former Dy. Director	Industrial Safety & Health, Govt. of Gujarat, Gandhinagar	Safety at Workplace	6.00
6	Mr. Vishal Sarvaiya	Founder	Shree Vam Chemical Industries, Kuvadva, Rajkot	Entrepreneurship Skills for budding Engineers	4.00
7	Mr. Govind Bandhiya	Founder	IZZZI PVT Ltd. Jamnagar	Process Simulator: Aspen Hysys	4.00
8	Mr. Anshuman Pathak	Senior Manager	Reliance Industries Limited, Jamnagar	Company Etiquettes	4.00
9	Mrs. Nidhi Jivrajani	Associate consultant- Utility domain	Infosys, Bengaluru, Karnataka	Campus to corporate/field	3.00
10	Mr. Harsh Kapuriya	Engineer	Aditya Birla Group of Industries, Bharuch	How to face Interview, GD, PI	4.00
11	Mr. Chirag Bavarva	Chemical Engineer	Gujarat Pollution Control Board (GPCB), Gandhinagar.	Competitive Exam Guidance	2.00
12	Mr. Anand Thanki	Senior Manager	Farabi Petrochemical Company, Abudhabi	How to crack interview of Multinational companies	2.00

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	9	9	6
2	No. of peer reviewed conference papers published	8	3	4
3	No. of books/book chapters published	2	1	0

C7. Sponsored Research Project

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

(CAYm1)

(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. Vyomesh Parsana	Dr. Priyank D. Khirsariya	Chemical Engineering	Measurement of Vapor-Liquid Equilibrium of Systems Comprising Green Solvent	A Minor Research Project under Research Promotion Scheme (RPS) Sponsored by Gujarat Technological University	1 Year	0.50
						Amount received (Rs.):0.50

(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. Darshana T. Bhatti	Dr. Sushil Korgaokar	Chemical Engineering	Novel Green Coagulants for Water Treatment and Modeling through Response Surface Optimization	GUJCOST STI fund	2 Years	2.05
						Amount received (Rs.):2.05

Total Amount (Lacs) Received for the Past 3 Years: 2.55**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
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S. Adani Power Ltd., Mundra	Adani Power Ltd., Mundra	1 Year	7.36
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for Ultratech Cement Ltd, Jafrabad	Ultratech Cement Ltd, Jafrabad	1 Year	4.10
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S. Nayara Energy Ltd. (CPP), Khambhalia	Nayara Energy Ltd. (CPP), Khambhalia	1 Year	5.73
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S. RSPL Ltd., Kuranga, Dwarka	RSPL Ltd., Kuranga, Dwarka	1 Year	4.39
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S. Reliance Industries Ltd. (SEZ Unit), Jamnagar	Reliance Industries Ltd. (SEZ Unit), Jamnagar	1 Year	14.00
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S. Balkrishna Industries Ltd., Bhuj, Kutch	Balkrishna Industries Ltd., Bhuj, Kutch	1 Year	18.91
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S. DCW Ltd. (Soda Ash Plant), Dhrangadhra, Surendranagar	DCW Ltd. (Soda Ash Plant), Dhrangadhra, Surendranagar	1 Year	3.73
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S. Sheel Oil & Fats Pvt.Ltd. Bhimasar, Anjar, Kutch	Sheel Oil & Fats Pvt.Ltd. Bhimasar, Anjar, Kutch	1 Year	2.32
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S. Cargill India Pvt. Ltd., Anjar, Kutch	Cargill India Pvt. Ltd., Anjar, Kutch	1 Year	4.69
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S. Detox India Pvt. Ltd., Bhachau, Kutch	Detox India Pvt. Ltd., Bhachau, Kutch	1 Year	9.58
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S. Patanjali Foods Ltd. (Ruchi Soya), Gandhidham	Patanjali Foods Ltd. (Ruchi Soya), Gandhidham of JDPA, Jetpur	1 Year	4.32
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S. CETP of JDPA, Jetpur	CETP CETP of JDPA, Jetpure, Veraval Ind. Association, Veraval	1 Year	1.88
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S. CETP of Veraval Ind. Association, Veraval	CETP of Veraval Ind. Association, Veraval	1 Year	0.91
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S. Saurashtra Cement Ltd., Sutrapada	Saurashtra Cement Ltd., Sutrapada	1 Year	4.21
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S. HI Bond Cement, Gondal, Rajkot	HI Bond Cement, Gondal, Rajkot	1 Year	3.89
						Amount received (Rs.):90.02

(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. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Detox India Pvt. Ltd., Kutch	Detox India Pvt. Ltd., Kutch	1 Year	6.39
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Chemical/ Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S.OzoneProcon Pvt. Ltd., Kutch	Ozone Procon Pvt. Ltd., Kutch	1 Year	3.34
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Chemical/ Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Varsana Ispat Ltd., Kutch	Varsana Ispat Ltd., Kutch	1 Year	9.09
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Chemical/ Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Gujarat Ambuja Exports Ltd., Himmat Nagar	Gujarat Ambuja Exports Ltd., Himmat Nagar	1 Year	2.82
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Chemical/ Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Essar Power Gujarat Ltd., Jamnagar	Essar Power Gujarat Ltd., Jamnagar	1 Year	4.47
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Chemical/ Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. RSPL Ltd., Dwarka	RSPL Ltd., Dwarka	1 Year	6.29
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Chemical/ Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Reliance Sibur Elastomers Pvt Ltd., Jamnagar	Reliance Sibur Elastomers Pvt Ltd., Jamnagar	1 Year	4.46
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Chemical/ Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Ambuja Cement Ltd., Kodinar	Ambuja Cement Ltd., Kodinar	1 Year	2.84
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Chemical/ Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Jay Bharat Steel Corporation, Kutch	Jay Bharat Steel Corporation, Kutch	1 Year	2.89
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Chemical/ Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. MPSEZ Utilities Ltd. (MUL), Mundra	MPSEZ Utilities Ltd. (MUL), Mundra	1 Year	2.31
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Chemical/ Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Welspun Captive Power, Kutch	Welspun Captive Power, Kutch	1 Year	3.96
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Chemical/ Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. GSECL, Bhavnagar	GSECL, Bhavnagar	1 Year	4.07
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Chemical/ Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. CETP of Bhatgam, Jetpur	CETP of Bhatgam, Jetpur	1 Year	1.91
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Chemical/ Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. TPP – Ambuja Cement, Kodinar	TPP – Ambuja Cement, Kodinar	1 Year	2.50
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Chemical/ Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Novel Spent Acid Management, Vatva	Novel Spent Acid Management, Vatva	1 Year	1.54
						Amount received (Rs.):58.88

(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. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Gokul Agro Resources Ltd. (Anjar, Kutch)	Gokul Agro Resources Ltd. (Anjar, Kutch)	1 Year	5.83
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Welspun Crop Ltd (Anjar, Kutch)	Welspun Crop Ltd. (Anjar, Kutch)	1 Year	3.04
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Essar Power Gujarat Ltd. (Jamnagar)	Essar Power Gujarat Ltd. (Jamnagar)	1 Year	2.80
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. GSFC Sikka (Jamnagar)	GSFC Sikka (Jamnagar)	1 Year	6.89
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Ultratech Cement Ltd. (Unit- Sevagram Cement Works) (Abdasa, Kutch)	Ultratech Cement Ltd. (Unit- Sevagram Cement Works) (Abdasa, Kutch)	1 Year	7.86
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Ultratech Cement Ltd. (Sevagram Cement Works), (Abdasa, Kutch)	Ultratech Cement Ltd. (Sevagram TPP Works),	1 Year	3.57
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Saurashtra Chemicals Division of Nirma Ltd. (Porbandar)	Saurashtra Chemicals Division of Nirma Ltd. (Porbandar)	1 Year	8.62
Dr. Darshana T. Bhatti	Dr. Hitesh Ashani, Himanshu Pithadiya, Vijay K. Mehta	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Distromed Bioclean Pvt. Ltd. CBWTF (Rajkot)	Distromed Bioclean Pvt. Ltd. CBWTF (Rajkot)	1 Year	1.98
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. Bhadreshwar Vidyut Pvt. Ltd. (Mundra, Kutch)	Bhadreshwar Vidyut Pvt. Ltd. (Mundra, Kutch)	1 Year	3.16
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S.Shree Renuka Sugars Ltd. (Gandhidham, Kutch	Shree Renuka Sugars Ltd. (Gandhidham, Kutch	1 Year	5.98
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S.Welspun Captive Power Generation Ltd. (Anjar, Kutch)	Welspun Captive Power	1 Year	3.97
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S.Gujarat State Electricity Corporation Ltd. (Bhavnagar)	Gujarat State Electricity Corporation Ltd. (Bhavnagar)	1 Year	4.29
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/S. GHCL Ltd. (Sutrapada)	GHCL Ltd. (Sutrapada)	1 Year	9.97
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S.Gimnar Bio Medical Waste Service (Junagadh)	M/S.Gimnar Bio Medical Waste Service (Junagadh)	1 Year	1.94
Dr. Piyush B. Vanzara	Keyur V. Nagecha, Dr. Sushil Korgaokar, Mr. Dip B. Patel	Chemical/Civil Engineering Department	Schedule-I Environment Audit as per GPCB Guidelines for M/ S.Archean Chemical Industries (Hajipir, Kutch)	M/S.Archean Chemical Industries (Hajipir, Kutch)	1 Year	6.73
						Amount received (Rs.):76.63

Total amount (Lacs) received for the past 3 years: 225.53

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)

(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
-	-	-	0.00	0.00	-
			Amount received (Rs.): 0.00		

(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
-	-	-			-
			Amount received (Rs.): 0		

Total amount (Lacs) received for the past 3 years : 0.00

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	Unit Processes and Chemical Technology	20	laboratory oven, muffle furnace, rectangular water bath	even semester	Mrs. Rita R. Vachhani	Laboratory Assistant	Diploma Chemical
2	Petroleum Refining & Petrochemical	20	ASTM Distillation, Carbon Residue (Rams Bottom)Apparatus, Carbon Residue (Rams Bottom)Apparatus	even semester	Mrs. Rita R. Vachhani	Laboratory Assistant	Diploma Chemical
3	Chemical Reaction Engineering	20	Spiral Tube Reactor, CSTR(RTD), Plug Flow Reactor, Sine tube reactor	odd semester-4	Mrs. Rita R. Vachhani	Laboratory Assistant	Diploma Chemical
4	Modelling and Simulation	20	Computer-22(Total available quantity), MS Excel, Spreadsheets, GAMS	odd semester-4	Mr. Nayan Vaishnani	Laboratory Assistant	Diploma Chemical
5	Mass Transfer Operations	20	Stirred solid-liquid mass transfer apparatus, Diffusion coefficient of CCl4 in air, Fixed bed adsorption apparatus, Thin layer Fixed Bed adsorption apparatus	odd semester-4	Mr. Nayan Vaishnani	Laboratory Assistant	Diploma Chemical
6	Instrumentation & Process Control	20	Computerized Pressure trainer, computerized temperature control Trainer, Interacting and non-interacting system, First and second order system	odd semester-4	Mr. Nayan Vaishnani	Laboratory Assistant	Diploma Chemical

7	Mechanical Operations	20	Ball mill, Sieve shaker, froth floatation, Roll crusher, Ribbon blender, Agitated vessel, Jaw crusher,	odd semester-I	Mr. Vijay Mehta	Laboratory Assistant	B.Sc Chemistry
8	Process Heat Transfer	20	Thermal Conductivity of metal rod, Forced Convection apparatus, Lagged pipe apparatus, emissivity	even semester	Mr. Vijay Mehta	Laboratory Assistant	B.Sc Chemistry
9	Fluid Mechanics and Machine Laboratory	20	Flow measurement, pipe fitting and pipe friction apparatus (3 in 1 setup), centrifugal pump apparatus,	even semester	Mrs. Rita R. Vachhani	Laboratory Assistant	Diploma Chemical
10	Chemistry/Applied Chemistry	20	Laboratory Oven, Single Pan rough balance, Digital Balance, Controller Based Conductivity meter,Digital	Odd sem-2 hrs	Mr. Vijay Mehta	Laboratory Assistant	B.Sc. Chemistry

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Mechanical Operations	•Read the experiment procedure before starting the practical. •Perform experiments only under the supervision of the laboratory instructor. •Keep the laboratory clean and dry. •Do not run, play, or create unnecessary disturbances. •Report any damaged equipment or accidents immediately. •Switch OFF all electrical equipment after completing the experiment. •Do not leave the experiment unattended during the performance. •Keep safe distance from machines/equipment and hot surfaces as well as hot water lines during its usage to avoid accidents. •Do not touch any equipment with wet hands to avoid electric shocks.
2	Process Heat Transfer	•Read the experiment procedure before starting the practical. •Perform experiments only under the supervision of the laboratory instructor. •Keep the laboratory clean and dry. •Do not run, play, or create unnecessary disturbances. •Report any damaged equipment or accidents immediately. •Switch OFF all electrical equipment after completing the experiment. •Do not leave the experiment unattended during the performance. •Keep safe distance from machines/equipment and hot surfaces as well as hot water lines during its usage to avoid accidents. •Do not touch any equipment with wet hands to avoid electric shocks.
3	Instrumentation and Process Control Laboratory	•Read the experiment procedure before starting the practical. •Perform experiments only under the supervision of the laboratory instructor. •Keep the laboratory clean and dry. •Do not run, play, or create unnecessary disturbances. •Report any damaged equipment or accidents immediately. •Switch OFF all electrical equipment after completing the experiment. •Do not leave the experiment unattended during the performance. •Keep safe distance from machines/equipment and hot surfaces as well as hot water lines during its usage to avoid accidents. •Do not touch any equipment with wet hands to avoid electric shocks.
4	Chemistry	•Read the chemicals label carefully before use. •Never taste/smell chemicals. Use spatula to use chemicals and stir solutions with glass rod only during experiments •Use Rubber Gloves and mask while handling acids/base. •Always wear a clean laboratory coat. •Wash with water if accidentally touches chemicals directly. •Read and understand the experimental procedure before starting. •Perform experiments only under the supervision of the laboratory instructor. •Keep the work area clean and organized. •Always wear the Apron (Laboratory coat) during laboratory hours to protect you and your clothing. •Always keep chemicals and reagents at their appropriate place after their use. •Always add acid to the water never add water in the acid for diluting any acid. •Do not use mouth suction while filling chemical reagents, use a suction bulb. •Avoid direct contact of solvents/chemicals with the skin. •Check and read the label of reagent bottle carefully before using them. •Keep all the doors and windows open while working in the laboratory.
5	Mass Transfer Operation	•Read the chemicals label carefully before use. •Never taste/smell chemicals. Use spatula to use chemicals and stir solutions with glass rod only during experiments •Use Rubber Gloves and mask while handling acids/base. •Always wear a clean laboratory coat. •Wash with water if accidentally touches chemicals directly. •Read and understand the experimental procedure before starting. •Perform experiments only under the supervision of the laboratory instructor. •Keep the work area clean and organized. •Always wear the Apron (Laboratory coat) during laboratory hours to protect you and your clothing. •Always keep chemicals and reagents at their appropriate place after their use. •Always add acid to the water never add water in the acid for diluting any acid. •Do not use mouth suction while filling chemical reagents, use a suction bulb. •Avoid direct contact of solvents/chemicals with the skin. •Check and read the label of reagent bottle carefully before using them. •Keep all the doors and windows open while working in the laboratory.
6	Unit Process and Chemical Technology	•Read the chemicals label carefully before use. •Never taste/smell chemicals. Use spatula to use chemicals and stir solutions with glass rod only during experiments •Use Rubber Gloves and mask while handling acids/base. •Always wear a clean laboratory coat. •Wash with water if accidentally touches chemicals directly. •Read and understand the experimental procedure before starting. •Perform experiments only under the supervision of the laboratory instructor. •Keep the work area clean and organized. •Always wear the Apron (Laboratory coat) during laboratory hours to protect you and your clothing. •Always keep chemicals and reagents at their appropriate place after their use. •Always add acid to the water never add water in the acid for diluting any acid. •Do not use mouth suction while filling chemical reagents, use a suction bulb. •Avoid direct contact of solvents/chemicals with the skin. •Check and read the label of reagent bottle carefully before using them. •Keep all the doors and windows open while working in the laboratory.
7	Petroleum Refining and Petrochemicals	•Read the chemicals label carefully before use. •Never taste/smell chemicals. Use spatula to use chemicals and stir solutions with glass rod only during experiments •Use Rubber Gloves and mask while handling acids/base. •Always wear a clean laboratory coat. •Wash with water if accidentally touches chemicals directly. •Read and understand the experimental procedure before starting. •Perform experiments only under the supervision of the laboratory instructor. •Keep the work area clean and organized. •Always wear the Apron (Laboratory coat) during laboratory hours to protect you and your clothing. •Always keep chemicals and reagents at their appropriate place after their use. •Always add acid to the water never add water in the acid for diluting any acid. •Do not use mouth suction while filling chemical reagents, use a suction bulb. •Avoid direct contact of solvents/chemicals with the skin. •Check and read the label of reagent bottle carefully before using them. •Keep all the doors and windows open while working in the laboratory.
8	Chemical Reaction Engineering	•Read the chemicals label carefully before use. •Never taste/smell chemicals. Use spatula to use chemicals and stir solutions with glass rod only during experiments •Use Rubber Gloves and mask while handling acids/base. •Always wear a clean laboratory coat. •Wash with water if accidentally touches chemicals directly. •Read and understand the experimental procedure before starting. •Perform experiments only under the supervision of the laboratory instructor. •Keep the work area clean and organized. •Always wear the Apron (Laboratory coat) during laboratory hours to protect you and your clothing. •Always keep chemicals and reagents at their appropriate place after their use. •Always add acid to the water never add water in the acid for diluting any acid. •Do not use mouth suction while filling chemical reagents, use a suction bulb. •Avoid direct contact of solvents/chemicals with the skin. •Check and read the label of reagent bottle carefully before using them. •Keep all the doors and windows open while working in the laboratory.
9	Modelling and Simulation Laboratory	•Report fire or accidents to laboratory assistant / faculty member immediately. •Report to your laboratory assistant immediately if you receive even a mild shock from any computer device. •Report any broken plugs or exposed electrical wires to your laboratory assistant / faculty member immediately. •Properly shut down computer system and switch off power supply before leaving the laboratory or when system is not in use. •Use the computer system with clean hands and also keep your workstation clean. •Switch off electric supply to the computer system during power failure. •Save your data on regular basis and take regular backup of your work. •Do only academic / assigned work on the computer system. •Use fire extinguishers which are kept in passage on each floor to extinguish the fire. •Use first aid box which is available in the department as and when needed •Do not put water glass/water bottle and metal objects such as clips, pins and needles on the computer system. •Do not plug or unplug any cable of computer system/setup without permission of faculty / laboratory assistant. •Do not insert any device like pendrive or hard disk in computer system without permission of your faculty / laboratory assistant. •Don't change computer system setting without permission of your faculty / laboratory assistant. •Don't install any program without permission of your faculty / laboratory assistant. •Do not eat or drink in the laboratory. •Do not open any restricted websites. •Do not sit on computer table.
10	Fluid mechanics and Machines laboratory	- Do not lean on equipment for any kind of support. •Make sure all spilled liquids are wiped up immediately to avoid slipping. •Bodily injury or instrument damage may result if set up is run without trained instructor. •Drain and dry all tank after performing practical to prevent lining. •Run the pump with bypass valve fully open and check the strainer regularly to avoid blockage. •Use of abrasive cloth for cleaning tank should be avoided to prevent scratching. •Always use clean water. - Hard, chlorinated or saline water should not be strictly used. •Be sure that the bearings are fully lubricated. •Overheating and/or loss of prime will result if the pump is operated against a closed valve for more than a few minutes. •Avoid performing practical if machine appears defective. •Switch off the power supply after completion of the practical. •Use fire extinguishers which are kept in passage on each floor to extinguish the fire. •Use first aid box which is available in the department as and when needed.

11	Project/Research Laboratory	• Read the chemicals label carefully before use. • Never taste/smell chemicals. Use spatula to use chemicals and stir solutions with glass rod only during experiments • Use Rubber Gloves and mask while handling acids/base. • Always wear a clean laboratory coat. • Wash with water if accidentally touches chemicals directly. • Read and understand the experimental procedure before starting. • Perform experiments only under the supervision of the laboratory instructor. • Keep the work area clean and organized. • Always wear the Apron (Laboratory coat) during laboratory hours to protect you and your clothing. • Always keep chemicals and reagents at their appropriate place after their use. • Always add acid to the water never add water in the acid for diluting any acid. • Do not use mouth suction while filling chemical reagents, use a suction bulb. • Avoid direct contact of solvents/chemicals with the skin. • Check and read the label of reagent bottle carefully before using them. • Keep all the doors and windows open while working in the laboratory. • Report any damaged equipment or accidents immediately. • Switch OFF all electrical equipment after completing the experiment. • Do not leave the experiment unattended during the performance. • Keep safe distance from machines/equipment and hot surfaces as well as hot water lines during its usage to avoid accidents. • Do not touch any equipment with wet hands to avoid electric shocks.
----	-----------------------------	---

D3. Project Laboratory/Research Laboratory

--

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= $\frac{\text{No. of faculty members ((NS1*0.8) + (NS2*0.2))}}{\text{(No. of required faculty (RF4))}}$; Percentage=((NS1*0.8) + (NS2*0.2))/RF
2023-24(CAYm2)	660	33	10	61	61
2024-25(CAYm1)	510	26	13	68	92
2025-26(CAY)	540	27	16	72	101

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	9507000	7216979	3390000	1207780	4974700	3431885	4312000	2020794
Library	605000	282805	620000	206759	673000	299835	918000	411040
Laboratory equipment	7231000	4177712	4667000	7513940	3038000	2012028	7112000	8664821
Teaching and non-teaching staff salary	156500000	156388865	144000000	143607589	130500000	130464737	128500000	128296185
Outreach Programs	7579500	3606846	4275500	3235615	3470220	2269939	2852250	1249890
R&D	622000	146761	260000	143669	451000	47452	873500	106369
Training, Placement and Industry linkage	1615000	322970	664000	518017	1019860	380690	383000	237887
SDGs	2429000	901941	2169000	1347882	8010000	8001498	7000000	6946279
Entrepreneurship	800000	408323	500000	223264	575000	478792	575000	114488
Others, specify	34249500	25191743	27600000	20264197	32013019	23152258	26314821	20763462
Total	221138000	198644945	188145500	178268712	184724799	170559114	178840571	168811215

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	35000	23881	50000	43313	56000	52351	56000	54190
Software	150086	132413	38329	32739	52832	37581	16848	15865
SDGs	2339000	886772	2129000	1330182	7988180	7988180	6906279	6906279
Support for faculty development	32110	26150	10204	9694	0	0	0	0
R & D	15000	12001	3000	1200	5000	0	10000	0
Industrial Training, Industry expert, Internship	32000	18588	30000	25630	55000	46290	56500	22845
Miscellaneous Expenses*	12722663	12675725	14535027	14473487	14261454	14168261	13108950	13043344
Total	15325859	13775530	16795560	15916245	22418466	22292663	20154577	20042523