

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: 2
Application No: 11859	Date of Submission: 22-05-2026

PART A- Profile of the Institute

A1.Name of the Institute: Agni College of Technology		
Year of Establishment : 2001		Location of the Institute: Thalambur
A2. Institute Address: OLD MAHABALIPURAM ROAD IT HIGHWAY,NEAR NAVALUR THALAMBUR-KANCHEEPURAM DISTRICT		
City:CHENNAI		State:Tamil Nadu
Pin Code:603103		Website:www.act.edu.in
Email:MAIL@ACTEDU.IN		Phone No(with STD Code):044-49972904
A3. Name and Address of the Affiliating University (if any):		
Name of the University : NIL		City: Kancheepuram
State : Tamil Nadu		Pin Code: 600130
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: **10**
- No. of PG programs: **1**

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	Artificial Intelligence and Data Science	2021	--	Artificial Intelligence and Data Science
2	Engineering & Technology	UG	Biomedical Engineering	2014	--	Biomedical Engineering
3	Engineering & Technology	UG	Chemical Engineering	2016	--	Chemical Engineering
4	Engineering & Technology	UG	Civil Engineering	2010	--	Civil Engineering
5	Engineering & Technology	UG	Computer Science and Engineering	2001	--	Computer Science and Engineering
6	Engineering & Technology	UG	Electrical & Electronics Engineering	2001	--	Electrical and Electronics Engineering
7	Engineering & Technology	UG	Electronics & Communication Engineering	2001	--	Electronics and Communication Engineering
8	Engineering & Technology	UG	Information Technology	2001	--	Information Technology
9	Engineering & Technology	UG	Mechanical Engineering	2010	--	Mechanical Engineering
10	Engineering & Technology	UG	Mechatronics Engineering	2014	--	Mechatronics Engineering
11	Engineering & Technology	PG	Structural Engineering	2014	--	Structural 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
Civil Engineering	No	Civil Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG
Artificial Intelligence and Data Science	No	Artificial Intelligence and Data Science	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	Civil Engineering	UG	2010 / --	60	Yes	2021	30	2021	F. No. Southern/1-9323094933/2021/EOA	Not accredited (specify visit dates, year)	28/06/2019	30/06/2019	0	4

Sanctioned Intake for Last Five Years for the Structural Engineering	
Academic Year	Sanctioned Intake
2025-26	30
2024-25	30
2023-24	30
2022-23	30
2021-22	30
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.S. SURESH
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)
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N=Sanctioned intake of the program (as per AICTE /Competent authority)	30	30	30	30	30	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	29	23	20	11	8	5	5
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	0	1	4	1	2	0
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	1	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.	30	23	21	15	9	7	5

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	29	1	100.00
2024-25 (CAYm1)	30	23	0	76.67
2023-24 (CAYm2)	30	20	0	66.67

Average [(ER1 + ER2 + ER3) / 3] = 81.11= 17.00

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).	31.00	62.00	60.00
B=No. of students who graduated from the program in the stipulated course duration	9.00	7.00	5.00
Success Rate (SR)= (B/A) * 100	29.03	11.29	8.33

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 16.22

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)	6.67	6.54	6.35
Y=Total no. of successful students	23.00	20.00	11.00
Z=Total no. of students appeared in the examination	23.00	20.00	11.00
API [X*(Y/Z)]	6.67	6.54	6.35

Average API[(AP1+AP2+AP3)/3] : 6.52

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.

1	DR.S. SURESH	XXXXXXXX53H	Ph.D	Indian Institute of Science Bangalore	Hydraulic Structures	28/01/2023	3.3	Professor	Professor		Regular	Yes		Yes
2	DR.P. PURUSHOTHAMAN	XXXXXXXX15K	Ph.D	University of Madras	Structural Engineering	01/11/2016	8.6	Professor	Professor		Regular	No	27/05/2025	No
3	MR S RAMAMOORTHY	XXXXXXXX63B	M.E.	Annamalai University	Environmental Engineering	15/07/2010	15.10	Assistant Professor	Assistant Professor		Regular	Yes		No
4	MR S VISHNUVARDHAN	XXXXXXXX04N	M.E.	Anna University	Construction Engineering and Management	12/02/2021	5.3	Assistant Professor	Assistant Professor		Regular	Yes		No
5	MR S VENKATESWARAN	XXXXXXXX64M	M.E.	Anna University	Structural Engineering	22/05/2021	4.11	Assistant Professor	Assistant Professor		Regular	Yes		No
6	MR N VIMALRAJ	XXXXXXXX09Q	M.E.	Annamalai University	Structural Engineering	04/05/2021	5	Assistant Professor	Assistant Professor		Regular	Yes		No
7	MRS E VINODHA	XXXXXXXX56F	M.Tech	Sastra University	Structural Engineering	17/05/2022	3	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
8	MRS S ARTHI	XXXXXXXX35J	M.E.	Anna University	Structural Engineering	01/06/2022	3.11	Assistant Professor	Assistant Professor		Regular	Yes		No
9	MS K SHALINI	XXXXXXXX99M	M.E.	Anna University	Structural Engineering	01/06/2022	3.11	Assistant Professor	Assistant Professor		Regular	Yes		No
10	MRS V INDHUMATHI	XXXXXXXX95G	M.E.	Anna University	Environmental Engineering	29/07/2024	1.9	Assistant Professor	Assistant Professor		Regular	Yes		No
11	MRS Y REKHA	XXXXXXXX38J	M.E.	Anna University	Integrated Water Resources Management	09/09/2022	1.10	Assistant Professor	Assistant Professor		Regular	No	05/08/2024	No
12	Dr.S.PRABAVATHI	XXXXXXXX61P	Ph.D	Annamalai University	Environmental Engineering	02/01/2023	3.4	Assistant Professor	Associate Professor	25/08/2025	Regular	Yes		No
13	MRS R BEAULA JASMINE	XXXXXXXX64L	M.E.	Bharathiar University	Structural Engineering	01/04/2021	5.1	Assistant Professor	Assistant Professor		Regular	Yes		No

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

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 Department1
Table No.C2.1: Student-faculty ratio.

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	30	31	33
UG1.C	31	33	31
UG1.D	33	31	62
UG1: Civil Engineering	94	95	126
PG1.A	18	18	18
PG1.B	18	18	18
PG1: Structural Engineering	36	36	36
DS=Total no. of students in all UG and PG programs in the Department	130	131	162
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= 130	S2= 131	S3= 162
DF=Total no. of faculty members in the Department	10	12	12
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= 12	F3= 12
FF=The faculty members in F who have a 100% teaching load in the first-year courses	2	2	2
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 16.25	SFR2= 13.10	SFR3= 16.20
Average SFR for 3 years	SFR= 15.18		

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)	2	8	6.00	21.67
2024-25(CAYm1)	3	9	6.00	27.50
2023-24(CAYm2)	3	9	8.00	20.62

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	1.00	1.00	1.00	1.00	4.00	8.00
2024-25	1.00	2.00	1.00	0.00	4.00	10.00
2023-24	1.00	2.00	2.00	0.00	5.00	10.00
Average	RF1=1.00	AF1=1.67	RF2=1.33	AF2=0.33	RF2=4.33	AF2=9.33

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	A. Rathina kumar, ME (Struct)	Managing Director	BIM Care Technologies Private Limited, Pammal, Chennai-600075	Estimation, Costing and Valuation Engineering	52.00
2	A. Dinesh Kumar	Business Development Head	CADPOINT, Authorized Training Centre, Coimbatore	Hands-on Training in Structural Analysis and Design Using STAAD.Pro	54.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	A. Dinesh Kumar	Business Development Head	CADPOINT, Authorized Training Centre, Coimbatore	Hands-on Training in CAD Design and Drafting for Civil Engineering	59.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	A. Rathina kumar, ME (Struct)	Managing Director	BIM Care Technologies Private Limited, Pammal, Chennai-600075	Hands-on Training in BIM for Irrigation Infrastructure Using Revit	53.00
2	A. Dinesh Kumar	Business Development Head	CADPOINT, Authorized Training Centre, Coimbatore	Prefabricated Structures	55.00

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	8	5	0
2	No. of peer reviewed conference papers published	7	7	2
3	No. of books/book chapters published	5	5	0

C7. Sponsored Research Project

Table No. C7.1: List of sponsored research 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
Mr.S.Vishnuvardhan	Raghuvanshee S	Civil Engineering	Evaluation On Quality Parameters of Ground Water in Pammal, Chennai	Tamil Nadu State Council for Science and Technology (TNSCST)	2024-2025 One Year	0.08
Mrs. R. Beaula Jasmine	Dr. S. Prabavathi	Civil Engineering	Integrated Wastewater Management for The Institution Using IoT	Tamil Nadu State Council for Science and Technology (TNSCST)	2024-2025 One Year	3.42
Mr.S.Venkateswaran	Mr. N VimalRaj	Civil Engineering	Performance analysis of concrete with partial replacement of coarse aggregate by recycled plastic granules and strengthen prediction using machine learning algorithms	IEI	2024-2025 One Year	0.50
						Amount received (Rs.):4.00

(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. S. Suresh	Mr S Venkateswaran	Civil Engineering	Embedded Sensor Systems for Real Time Pavement Performance Assessment	Idhal infrastructure.	2022-2023 One Year	2.80
						Amount received (Rs.):2.80

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 6.80

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
Mrs. R Beaula Jasmine	Mr. S. Ramamoorthy	Civil Engineering	Development, Manufacturing, and Performance Evaluation of Interlocking Flexible Pavement Paver Blocks Using Sustainable Materials	Vishnusurya Projects And Infra Limited, Chennai	01-06-2024 To 31-12-2024	3.65
Mr. S Venkateswaran	Mr S Vishnuvardhan	Civil Engineering	Consultancy on Concrete Mix Design Optimization and Compressive Strength Evaluation of Concrete Cubes, Blocks, and Masonry Units	Leuven Construction Private Limited	06-08-2024 to 31-01-2025	2.37
						Amount received (Rs.):6.02

(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
Mr. S Venkateswaran	Mr S Vishnuvardhan	Civil Engineering	Consultancy on Concrete Mix Design Optimization and Compressive Strength Evaluation of Concrete Cubes, Blocks, and Masonry Units	Leuven Construction Private Limited	06-08-2024 to 31-01-2025	2.37
						Amount received (Rs.):2.37

(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
Mr. Vishnuvardhan S,	Mr. S. Ramamoorthy	Civil Engineering	Experimental Investigation on the Flexural Performance and Load-Carrying Capacity of Reinforced Concrete Beams and Columns	Prime ChemTech Solutions PVT India Ltd Chennai	01-06-2022 to 31-05-2023	0.75
						Amount received (Rs.):0.75

Total amount (Lacs) received for the past 3 years: 9.14

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
Mrs. R. Beaula Jasmine	Mechanical and Microstructural Properties of Limestone Calcined Clay Cement	12 Months	1.65	1.65	Review paper submitted
Ms. K. Shalini	Study On The Flexural Behaviour Of Manufactured Lightweight Aggregate	12 Months	1.75	1.75	Research article submitted to SCI Journal
			Amount received (Rs.): 3.40		

(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
Mr. S Venkateswaran	Sustainable retrofitting of recycled aggregate concrete Beams	12 Months	1.60	1.60	Review paper submitted
			Amount received (Rs.): 1.60		

(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
MR S Vishnuvardhan	Microstructural analysis and flexural strength of silica fume concrete with SEM	12 Months	1.80	1.80	Research article submitted
			Amount received (Rs.): 1.80		

Total amount (Lacs) received for the past 3 years : 6.80

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	Surveying and Levelling Laboratory	3	1. Theodolite 2. Total Station 3. Tilting Level 4. Dumpy Level 5. Prismatic Compass	3 hours per we	Mr. Raju C S	Lab Instructor	10th
2	Water and Waste water Analysis Laboratory	3	1. Electrical Conductivity meter 2. Turbidity meter 3. Spectrophotometer/ (UV visible) 4. Digital Flocculator 5. pH meter 6. DO meter 7. Dissolved Oxygen	3 hours per we	Mr Selvan C	Lab Instructor	Diploma- Civil
3	Hydraulic Engineering Laboratory	3	1. Rotameter 2. Orifice meter/mouthpiece, Venturimeter & Notches 3. Bernoulli's Experiment 4. Freeboard experiment 5. Hydraulic jump experiment	9 hours per we	Mr. Rajesh N	Lab Instructor	Diploma- Civil
4	Material Testing Laboratory	3	1. Flexural Strength Testing Machine Analog – Motorised 2. Compression Testing Machine - 2000 kN	9 hours per we	Mr Selvan C	Lab Instructor	Diploma- Civil
5	Soil Mechanics Laboratory	3	1. Permeability determination 2. Three Gang Consolidation test device 3. Direct Shear apparatus 4. UTM 5. Moisture content 6. Liquid Limit 7. Plastic Limit	3 hours per we	Mr. Rajesh N	Lab Instructor	Diploma- Civil
6	Highway Engineering Laboratory	3	1. Los Angeles Abrasion Testing Machine 2. Hot Air Oven 3. Briquette Mould 4. Ductility Machine 5. Marshall Stability Test Machine	4 hours per we	Mr Selvan C	Lab Instructor	Diploma- Civil
7	Building Drawing and Detailing Laboratory	3	1. AUTOCAD (Total no. of Students Intake /2) +1 (Staff) 2. Revit - 10 users 3. Computers	30 hours per w	Mr. Rajesh N	Lab Instructor	Diploma- Civil

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Surveying and Levelling Laboratory	Safety Shoes, Reflective Safety Jackets for field work, First Aid Box, Safety Instruction Charts, Proper Handling Guidelines for Total Station and Theodolite, Emergency Contact Display
2	Water and Wastewater Analysis Laboratory	Laboratory Coats, Safety Gloves, Safety Goggles, Chemical Storage Cabinet, First Aid Box, Fire Extinguisher, Proper Ventilation, Safety Instruction Charts

3	Hydraulic Engineering Laboratory	Non-slip Flooring, Safety Shoes, Electrical Safety Devices, Fire Extinguisher, Emergency Shut-off Switches, First Aid Box, Safety Instruction Charts
4	Material Testing Laboratory	Safety Helmets, Safety Shoes, Safety Goggles, Machine Guarding for CTM and UTM, Fire Extinguisher, First Aid Box, Safety Instruction Charts
5	Soil Mechanics Laboratory	Safety Gloves, Dust Masks, Safety Shoes, Fire Extinguisher, First Aid Box, Proper Ventilation, Safety Instruction Charts
6	Highway Engineering Laboratory	Heat Resistant Gloves, Safety Goggles, Fire Extinguisher, First Aid Box, Safety Instruction Charts
7	Building Drawing and Detailing Laboratory	UPS Backup, Fire Extinguisher, Electrical Safety Measures, First Aid Box

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= 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)	660	33	28	12	75
2024-25(CAYm1)	660	33	26	14	72
2025-26(CAY)	660	33	25	15	70

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	50155700.23	49585300.23	56855345	46648564	55373000	51232000	51001123	49194054

Library	16853136	15753250	16825120	14332876	14414000	13029050	11723400	10637012
Laboratory equipment	13814327	12712354	12544580	11572453	12268000	10858184	9928560	9455122
Teaching and non-teaching staff salary	79348715	76258827	87053710	74505971	71010000	66710932	78008004	63760800
Outreach Programs	4945654	4832157	4744329	4623050	4482000	4356665	4323450	4115540
R&D	21002456	20072185	20475972	15527500	13840000	13029237	13001008	11819050
Training, Placement and Industry linkage	11750342	11000580	11045573	9264342	25045000	20561240	20277400	18775453
SDGs	2618553	2446500	2578124	2313124	2315789	2286000	2356350	2156000
Entrepreneurship	1725000	1523547	1617555	1434500	1364000	1205100	1353500	1183005
Others, specify	45853817.2	44853826.08	44911438	35660874	32354000	31988441	56283342	55291111
Total	248067700.43	239038526.31	258651746	215883254	232465789	215256849	248256137	226387147

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	1113539	1015756	913010	887350	784157	667500	492176	460155
Software	976754	786432	906356	798253	693243	564490	319312	267450
SDGs	708843	667590	598750	457475	346653	258432	233632	183789
Support for faculty development	757470	691178	413413	388500	302754	239285	185753	154532
R & D	949105	807537	606075	504125	483635	302475	197590	162901
Industrial Training, Industry expert, Internship	1115272	916415	787050	672540	417815	396395	279742	228275
Miscellaneous Expenses*	1051197	911836	928175	829545	836363	709530	522389	499404
Total	6672180	5796744	5152829	4537788	3864620	3138107	2230594	1956506