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: 11719	**Date of Submission**: 06-04-2026

PART A- Profile of the Institute

A1.Name of the Institute: Vellore Institute of Technology	
Year of Establishment : 1984	Location of the Institute: Vellore
A2. Institute Address:Katpadi – Tiruvalam Road, Vellore - 632014	
City:Vellore	State:Tamil Nadu
Pin Code:632014	Website:www.vit.ac.in
Email:iis@vit.ac.in	Phone No(with STD Code):0416-2202030
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Not Applicable	City:
State :	Pin Code: 0
A4. Type of the Institution: Deemed University	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **26**
- No. of PG programs: **33**

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	Architecture	UG	Architecture	2015	--	Architecture
2	Architecture	PG	Architecture	2023	--	Architecture
3	Computer Application	PG	Master in Computer Applications	1994	--	Computer Science and Engineering
4	Engineering & Technology	PG	Applied Computational Fluid Dynamics	2022	--	Mechanical Engineering
5	Engineering & Technology	PG	Artificial Intelligence and Machine Learning	2025	--	Computer Science and Engineering
6	Engineering & Technology	PG	Automotive Electronics	2006	--	Electronics Engineering
7	Engineering & Technology	PG	Automotive Engineering	2004	2024	Mechanical Engineering
8	Engineering & Technology	PG	Biomedical Engineering	2003	--	Electronics Engineering
9	Engineering & Technology	PG	Biotechnology	2003	--	Biotechnology
10	Engineering & Technology	UG	Biotechnology	2001	--	Biotechnology
11	Engineering & Technology	PG	CAD/CAM	1999	--	Mechanical Engineering
12	Engineering & Technology	UG	Chemical Engineering	1994	--	Chemical Engineering
13	Engineering & Technology	UG	Civil Engineering	1984	--	Civil Engineering
14	Engineering & Technology	PG	Communication Engineering	2003	2023	Electronics Engineering
15	Engineering & Technology	PG	Computer Science & Engineering (Information Security)	2016	2025	Computer Science and Engineering
16	Engineering & Technology	PG	Computer Science & Engineering (Integrated)	2019	--	Computer Science and Engineering
17	Engineering & Technology	UG	Computer Science and Business System	2019	--	Computer Science and Engineering

18	Engineering & Technology	UG	Computer Science and Engineering	1993	--	Computer Science and Engineering
19	Engineering & Technology	PG	Computer Science and Engineering	1999	--	Computer Science and Engineering
20	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2023	--	Computer Science and Engineering
21	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence and Data Engineering)	2024	--	Computer Science and Information Technology
22	Engineering & Technology	PG	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	2019	--	Computer Science and Engineering
23	Engineering & Technology	PG	Computer Science and Engineering (Big Data Analytics)	2016	2025	Computer Science and Engineering
24	Engineering & Technology	UG	Computer Science and Engineering (Bioinformatics)	2002	--	Computer Science and Engineering
25	Engineering & Technology	UG	Computer Science and Engineering (Block Chain Technology)	2019	2025	Computer Science and Engineering
26	Engineering & Technology	PG	Computer Science and Engineering (Cyber Security)	2025	--	Computer Science and Engineering
27	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2024	--	Computer Science and Information Technology
28	Engineering & Technology	PG	Computer Science and Engineering (Data Science)	2019	--	Computer Science and Engineering
29	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2019	--	Computer Science and Engineering
30	Engineering & Technology	UG	Computer Science and Engineering (Information Security)	2016	2025	Computer Science and Engineering
31	Engineering & Technology	UG	Computer Science and Engineering (Internet of Things)	2019	2025	Computer Science and Engineering
32	Engineering & Technology	PG	Construction Technology and Management	2018	--	Civil Engineering
33	Engineering & Technology	PG	Control and Automation	2013	--	Electrical Engineering
34	Engineering & Technology	UG	Electrical & Electronics Engineering	1994	--	Electrical Engineering
35	Engineering & Technology	UG	Electrical and Computer Science Engineering	2023	--	Electrical Engineering
36	Engineering & Technology	UG	Electronics & Communication Engineering	1984	--	Electronics Engineering
37	Engineering & Technology	UG	Electronics & Instrumentation Engineering	1999	--	Electrical Engineering
38	Engineering & Technology	UG	Electronics and Communication Engineering (Biomedical Engineering)	2018	--	Electronics Engineering
39	Engineering & Technology	PG	Electronics and Communication Engineering (Intelligent Communication Systems)	2023	--	Electronics Engineering

40	Engineering & Technology	UG	Electronics Engineering (VLSI Design and Technology)	2023	--	Electronics Engineering
41	Engineering & Technology	PG	Embedded Systems	2013	--	Electronics Engineering
42	Engineering & Technology	UG	Health Sciences and Technology	2024	--	Health Science and Water Engineering
43	Engineering & Technology	UG	Information Technology	1998	--	Computer Science and Information Technology
44	Engineering & Technology	PG	Internet of Things and Sensor Systems	2019	2025	Electronics Engineering
45	Engineering & Technology	PG	Manufacturing Engineering	2010	2025	Mechanical Engineering
46	Engineering & Technology	UG	Mechanical Engineering	1984	--	Mechanical Engineering
47	Engineering & Technology	UG	Mechanical Engineering (Automotive Engineering)	2010	2024	Mechanical Engineering
48	Engineering & Technology	PG	Mechanical Engineering (Cyber Physical Systems)	2019	2023	Mechanical Engineering
49	Engineering & Technology	UG	Mechanical Engineering (Electric Vehicles)	2024	--	Mechanical Engineering
50	Engineering & Technology	UG	Mechanical Engineering(Manufacturing Engineering)	2021	2025	Mechanical Engineering
51	Engineering & Technology	PG	Mechatronics	2001	--	Mechanical Engineering
52	Engineering & Technology	PG	Nanotechnology	2006	2023	Electronics Engineering
53	Engineering & Technology	PG	Power Electronics & Drives	2001	--	Electrical Engineering
54	Engineering & Technology	PG	Smart Manufacturing	2025	--	Mechanical Engineering
55	Engineering & Technology	PG	Smart Mobility	2024	--	Mechanical Engineering
56	Engineering & Technology	PG	Software Engineering	2001	--	Computer Science and Information Technology
57	Engineering & Technology	PG	Structural Engineering	2006	--	Civil Engineering
58	Engineering & Technology	PG	VLSI Design	2003	--	Electronics Engineering
59	Management	PG	Master of Business Administration	1994	--	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
Biotechnology	No	Biotechnology	UG
Civil Engineering	No	Civil 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/COMPE ARROVAL DET
1	Civil Engineering	UG	1984 / --	180	Yes	2023	120	2023	F.No. Southern/ 44639321669/2 1

Sanctioned Intake for Last Five Years for the Structural Engineering	
Academic Year	**Sanctioned Intake**
2025-26	120
2024-25	120
2023-24	120
2022-23	180
2021-22	180
2020-21	180

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.Saravana Kumar M P
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)	120	120	120	180	180	180	180
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	116	143	80	106	225	98	174
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	0	0	0	0	0	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	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.	116	143	80	106	225	98	174

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)	120	116	0	96.67
2024-25 (CAYm1)	120	143	0	119.17

2023-24 (CAYm2)	120	80	0	66.67

Average [(ER1 + ER2 + ER3) / 3] = 94.17≡ 20.00

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).	219.00	180.00	180.00
B=No. of students who graduated from the program in the stipulated course duration	184.00	87.00	160.00
Success Rate (SR)= (B/A) * 100	84.02	48.33	88.89

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 73.75

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)	7.56	7.55	7.15
Y=Total no. of successful students	143.00	80.00	106.00
Z=Total no. of students appeared in the examination	143.00	80.00	106.00
API [X*(Y/Z)]	7.56	7.55	7.15

Average API[(AP1+AP2+AP3)/3] : 7.42

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)	7.13	7.56	7.06
Y=Total no. of successful students	79.00	104.00	222.00
Z=Total no. of students appeared in the examination	80.00	106.00	225.00
API [X * (Y/Z)]	7.04	7.42	6.97

Average API [(AP1 + AP2 + AP3)/3] : 7.14

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)	7.97	7.35	7.90
Y=Total no. of successful students	103.00	220.00	93.00
Z=Total no. of students appeared in the examination	104.00	222.00	94.00
API [X*(Y/Z)]:	7.89	7.28	7.82

Average API [(AP1 + AP2 + AP3)/3] : 7.66

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	220.00	180.00	180.00
X=No. of students placed	82.00	33.00	76.00
Y=No. of students admitted to higher studies	57.00	32.00	51.00
Z= No. of students taking up entrepreneurship	9.00	4.00	7.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	67.27	38.33	74.44

Average Placement Index = (P_1 + P_2 + P_3)/3: 60.01 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 Associat (Regular/ Contract Ad hoc)
1	Dr.Porchelvan P	XXXXXXX60L	Ph.D	Annamalai University	Environmental Engineering	10/04/1985	41	Lecturer	Professor	01/07/2006	Regular
2	Dr.Sekar S K	XXXXXXX76M	Ph.D	Anna University	Structural Engineering	22/05/1997	28.10	Lecturer	Professor	01/09/2007	Regular
3	Dr.Saravana Kumar M P	XXXXXXX18K	Ph.D	Vellore Institute of Technology, Vellore	Environmental Engineering	28/06/2004	21.9	Lecturer	Professor	01/07/2022	Regular
4	Dr.Uma Shankar M	XXXXXXX35C	Ph.D	Vellore Institute of Technology, Vellore	Water Resources Engineering	29/04/2006	19.11	Lecturer	Professor	01/07/2022	Regular
5	Dr.Mohan Ganesh G	XXXXXXX55A	Ph.D	IIT Roorkee	Structural Engineering	26/05/2006	19.10	Lecturer	Professor	01/09/2010	Regular
6	Dr.Santhi A.S	XXXXXXX48C	Ph.D	IIT Roorkee	Structural Engineering	26/05/2006	19.2	Assistant Professor	Professor	01/01/2009	Regular
7	Dr.Muthukumar M	XXXXXXX43N	Ph.D	Vellore Institute of Technology, Vellore	Geotechnical Engineering	11/12/2006	19.3	Lecturer	Professor	01/07/2022	Regular
8	Dr.Sofi A	XXXXXXX53B	Ph.D	Vellore Institute of Technology, Vellore	Structural Engineering	28/05/2007	18.10	Lecturer	Professor	01/07/2022	Regular
9	Dr.Vaani N	XXXXXXX42B	Ph.D	Vellore Institute of Technology, Vellore	Environmental Engineering	14/12/2007	18.3	Lecturer	Assistant Professor		Regular
10	Dr.Ganapathy G P	XXXXXXX79M	Ph.D	Anna University	Geotechnical Engineering	18/10/2007	18.5	Lecturer	Professor	01/07/2017	Regular
11	Dr.Rama Mohan Rao P	XXXXXXX50N	Ph.D	JNTU Anatapur	Structural Engineering	06/02/2008	18.2	Lecturer	Professor	01/07/2020	Regular
12	Dr.Suganya OM	XXXXXXX89R	Ph.D	Vellore Institute of Technology, Vellore	Structural Engineering	05/05/2008	17.10	Lecturer	Associate Professor	27/05/2021	Regular
13	Dr. Amit B Mahindrakar	XXXXXXX36L	Ph.D	IIT Bombay	Environmental Engineering	10/06/2008	17.9	Assistant Professor	Professor	01/09/2012	Regular
14	Dr.Jagadeesh P	XXXXXXX65G	Ph.D	IIT Madras`	Fluid Mechanics	11/05/2009	16.10	Associate Professor	Professor	01/01/2011	Regular
15	Dr.Shantha Kumar S	XXXXXXX26Q	Ph.D	IIT Bombay	Environmental Engineering	07/12/2009	16.3	Associate Professor	Professor	01/07/2017	Regular
16	Dr.Chandrasekaran S S	XXXXXXX76Q	Ph.D	IIT Madras	Geotechnical Engineering	02/06/2010	15.9	Associate Professor	Professor	01/07/2017	Regular
17	Dr.Bala Murugan S	XXXXXXX78R	Ph.D	Vellore Institute of Technology, Vellore	Construction Engineering	16/07/2012	13.8	Assistant Professor	Associate Professor	01/07/2020	Regular
18	Dr.Srimuruganandam B	XXXXXXX80P	Ph.D	IIT Madras	Environmental Engineering	20/12/2012	13.3	Associate Professor	Professor	01/07/2020	Regular
19	Dr.Bhaskar Das	XXXXXXX66C	Ph.D	Jadavpur University	Environmental Engineering	07/01/2013	11.9	Associate Professor	Professor	01/07/2020	Regular
20	Dr.Hareesh M	XXXXXXX21A	Ph.D	Vellore Institute of Technology, Vellore	Structural Engineering	18/01/2013	13.2	Assistant Professor	Assistant Professor		Regular

21	Dr.Dillip Kumar Barik	XXXXXXX83Q	Ph.D	IIT Roorkee	Water Resources Engineering	22/04/2013	12.11	Associate Professor	Professor	01/07/2020	Regular
22	Dr.Vasantha Kumar. S	XXXXXXX74D	Ph.D	IIT Madras	Transportation Engineering	06/05/2013	12.11	Assistant Professor	Professor	01/07/2020	Regular
23	Dr.Abdul Rahim	XXXXXXX14C	Ph.D	IIT Roorkee	Structural Engineering	16/09/2013	12.6	Assistant Professor	Professor	02/01/2023	Regular
24	Dr.Visuvasam J	XXXXXXX69K	Ph.D	Vellore Institute of Technology, Vellore	Structural Engineering	10/01/2014	12.2	Assistant Professor	Assistant Professor		Regular
25	Ms.Malathy J	XXXXXXX60P	M.Tech	Anna University	Geotechnical Engineering	06/01/2015	8.10	Assistant Professor	Assistant Professor		Regular
26	Dr.Meena T	XXXXXXX26E	Ph.D	Anna University	Structural Engineering	05/06/2015	10.10	Associate Professor	Associate Professor		Regular
27	Dr.Viswanathan T.S	XXXXXXX99B	Ph.D	Vellore Institute of Technology, Vellore	Structural Engineering	08/06/2015	10.9	Assistant Professor	Associate Professor	10/08/2015	Regular
28	Mr.John Sushil Packiaraj	XXXXXXX57J	M.E.	Annamalai University	Constuction Engineering	19/06/2015	10.9	Assistant Professor	Assistant Professor		Regular
29	Dr.Parimala Renganayaki S	XXXXXXX53M	Ph.D	Anna University	Water Resources Engineering	30/05/2016	9.10	Assistant Professor	Professor	01/07/2024	Regular
30	Dr.Thirumalini S	XXXXXXX45R	Ph.D	Vellore Institute of Technology, Vellore	Structural Engineering	02/06/2016	9.10	Associate Professor	Professor	01/07/2022	Regular
31	Dr.Shanmuga Priya T	XXXXXXX43L	Ph.D	Anna University	Construction Engineering	02/05/2017	8.11	Associate Professor	Professor	01/07/2024	Regular
32	Dr.Punitha Kumar A	XXXXXXX06B	Ph.D	Anna University	Structural Engineering	02/05/2017	8.11	Assistant Professor	Associate Professor	01/07/2022	Regular
33	Dr.Sasanka Bhushan P	XXXXXXX08A	Ph.D	University of Texas at Arlinton,USA	Transportation Engineering	02/05/2017	8.10	Associate Professor	Associate Professor		Regular
34	Dr.Senthil Kumar N	XXXXXXX50C	Ph.D	IIT Madras	Structural Engineering	31/05/2017	8.10	Associate Professor	Associate Professor		Regular
35	Dr.Velvizhi G	XXXXXXX47F	Ph.D	Jawaharlal Nehru Technological University (JNTUH) Hyderabad	Environmental Engineering	02/05/2018	7.11	Associate Professor	Professor	01/07/2025	Regular
36	Dr.Jayaprakash J	XXXXXXX40D	Ph.D	Universiti Putra Malaysia	Structural Engineering	05/07/2018	7.9	Professor	Professor		Regular
37	Dr.Divya Priya B	XXXXXXX36K	Ph.D	IIT Madras	Geotechnical Engineering	02/05/2019	4	Assistant Professor	Assistant Professor		Regular
38	Dr.Prasanna Venkatesan R	XXXXXXX43D	Ph.D	Anna University	Construction Engineering	10/05/2019	6.10	Assistant Professor	Associate Professor	01/07/2023	Regular
39	Dr.Mahenthiran S	XXXXXXX72R	Ph.D	Anna University	Water Resources Engineering	22/05/2019	6.10	Assistant Professor	Associate Professor	01/07/2024	Regular
40	Dr.Vignesh Rajkumar L	XXXXXXX86J	Ph.D	Anna University	Water Resources Engineering	17/06/2019	6.9	Assistant Professor	Assistant Professor		Regular
41	Dr.Surendar M	XXXXXXX56Q	Ph.D	IIT Bombay	Water Resourse Engineering	02/05/2022	3.11	Associate Professor	Associate Professor		Regular
42	Dr.Arunava Ray	XXXXXXX81J	Ph.D	IIT BHU Varanasi	Geotechnical Engineering	02/05/2022	3.11	Assistant Professor	Assistant Professor		Regular
43	Dr.Konala S K Karthik Reddy	XXXXXXX92Q	Ph.D	IIT-Hyderabad	Structural Engineering	25/07/2022	3.8	Assistant Professor	Assistant Professor		Regular

44	Ms.Aiswarya S	XXXXXXX45J	M.Tech	MG Univeristy Kerala	Structural Engineering	25/07/2022	1.10	Assistant Professor	Assistant Professor		Contractu Fulltime
45	Dr.Ankit Bhardwaj	XXXXXXX48B	Ph.D	IIT Delhi	Structural Engineering	26/07/2022	1.6	Assistant Professor	Assistant Professor		Regular
46	Dr.Venkadavarahan M	XXXXXXX75N	Ph.D	NIT-Trichy	Transportation Engineering	28/07/2022	2.4	Assistant Professor	Assistant Professor		Regular
47	Dr.Prasanth S	XXXXXXX30L	Ph.D	NIT Allahabad	Structural Engineering	17/03/2023	3	Assistant Professor	Assistant Professor		Regular
48	Dr.Priyadharshini B	XXXXXXX99G	Ph.D	IIT Kharagpur	Environmental Engineering	03/05/2023	2.10	Assistant Professor	Assistant Professor		Regular
49	Dr. Monali Priyadarshini	XXXXXXX77Q	Ph.D	IIT Kharagpur	Environmental Engineering	05/06/2024	1.9	Assistant Professor	Assistant Professor		Regular

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 Department2
Table No.C2.1: Student-faculty ratio.

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B	120	120	180
UG1.C	120	180	180
UG1.D	180	180	180
UG1: Civil Engineering	**420**	**480**	**540**
PG1.A	18	18	18
PG1.B	18	18	30
PG1: Construction Technology and Management	**36**	**36**	**48**
PG2.A	42	54	54
PG2.B	54	54	75
PG2: Structural Engineering	**96**	**108**	**129**
DS=Total no. of students in all UG and PG programs in the Department	552	624	717
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=** 552	**S2=** 624	**S3=** 717
DF=Total no. of faculty members in the Department	42	43	45
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=** 42	**F2=** 43	**F3=** 45
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= 13.14**	**SFR2= 14.51**	**SFR3= 15.93**
Average SFR for 3 years	**SFR= 14.53**		

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)	41	1	27.00	38.33
2024-25(CAYm1)	41	2	31.00	33.71
2023-24(CAYm2)	43	2	35.00	31.29

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	22.00	6.00	10.00	18.00	10.00
2024-25	3.00	22.00	6.00	11.00	20.00	10.00
2023-24	3.00	21.00	7.00	12.00	23.00	11.00
Average	RF1=3.00	AF1=21.67	RF2=6.33	AF2=11.00	RF2=20.33	AF2=10.33

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	Dr Ruben Paul Borg	Professor	University of Malta, Italy	Construction Practices and Management	82.00
2	Dr.Cecile Grosbois	Professor	University of Tours, France	Water Resources Management	52.00
3	Dr. Sebastein Salvador	Associate Professor	University of Tours, , France	Water Resources Management	52.00
4	Dr. Iftekhar Ahmed	Associate Professor	The University of Newcastle, Australia	Natural Disaster Mitigation and Management	68.00
5	Dr. Komali Kantamaneni	Senior Research Fellow	University of Central Lancashire, United Kingdom	Natural Disaster Mitigation and Management	96.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Fulvia Chiampo	Associate Professor	Politechnico di Torina, Italy	Waste Management	96.00
2	Dr. Komali Kantamaneni	Senior Research Fellow	University of Central Lancashire, United Kingdom	Natural Disaster Mitigation and Management	92.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Fulvia Chiampo	Associate Professor	Politechnico di Torina, Italy	Waste Management	62.00

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	128	107	78

2	No. of peer reviewed conference papers published	17	10	13
3	No. of books/book chapters published	15	11	17

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
Dr. Vasantha Kumar S	Dr. Lelitha Vanajaksh; Dr. Anilkumar Bachu	School of Civil Engineering Vellore Institute of Technology, Vellore	Development of a Performance Evaluation Dashboard for Urban Arterials and Highways using NavIC GNSS Data	ISRO-SAC, Ahmedabad	3 years	25.13
Dr. Parimala Renganayaki S	NA	School of Civil Engineering Vellore Institute of Technology, Vellore	Identification of Water Security Solutions and climate Change Adaptation through Citizen Science and Co- Creation in Low and Middle- Income Countries :Case Studies from Nigeria, India and South Africa.	The Association of Commonwealth Universities - ACU	6 months	12.00
Dr. Chandrasekaran S S	Dr. Surendar M; Dr. Ganapathy G.P	Centre for Disaster Mitigation and Management, VIT, Vellore	Assessing Building Vulnerability to Multiple Hazards in Hilly Environments :An InSAR and Geotechnical Data Approach.	ISRO, Bengaluru	3 years	25.46
						Amount received (Rs.):62.59

(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. HareesH M	NA	School of Civil Engineering Vellore Institute of Technology, Vellore	Development of DSM Based Design Rules for cold- formed Steel Columns Undergoing Shift of Centroid	DST-TARE	3 years	18.30
Dr. Bhaskar Das	Dr. Vinod Kumar Sharma	School of Civil Engineering Vellore Institute of Technology, Vellore	Sustainable Hydrogen Production from Wastewater through Hybrid Photo-Electrochemical System and Purification through Metal Hydride Technology	DST-SERB-CRG	3 years	39.06
Dr. Thirumalini S	Dr. Shanmuga Priya T	CO2 Research and Green Technologies Centre, Vellore Institute of Technology, Vellore	Impact of Particle Size on the Calcination Process and Quality of Clay	FLSmidth Private Ltd	4 years	32.00
Dr. Thirumalini S	Dr. Shanmuga Priya T	CO2 Research and Green Technologies Centre, Vellore Institute of Technology, Vellore	Mining Tailings as SCMs:From Calcination to Complete Integration to a Cement Plant	FLSmidth Private Ltd	4 years	32.00
						Amount received (Rs.):121.36

(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. Sofi A		School of Civil Engineering Vellore Institute of Technology, Vellore	Investigation on Utilization of Waste Tire Rubber and Recycled Concrete Fines in Concrete- A Multiscale Approach	DST-TARE	3 years	18.30
						Amount received (Rs.):18.30

Total Amount (Lacs) Received for the Past 3 Years: 202.25

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. Mohan Ganesh G	Dr. Punitha Kumar A	School of Civil Engineering, Vellore Institute of Technology, Vellore	Condition Assessment of Fire Affected Structure	Ultramari Ne Pigments Ltd, India	2 months	2.31
Dr. Punitha Kumar A	Dr. Prasanth S	School of Civil Engineering, Vellore Institute of Technology, Vellore	Structural Design of Industrial Building	Samco Metals and Alloys PVT Ltd, India	1 month	0.81
Dr. Konala S K Karthik Reddy	Dr. Prasanth S, Dr. Visuvasam J; Dr. Abdul Rahim A	School of Civil Engineering, Vellore Institute of Technology, Vellore	Commercial Complex Reinforced Assesement	The Woodbox-Carpentry Company, India	2 months	0.70
Dr. Punitha Kumar A	Dr. Visuvasam J	School of Civil Engineering, Vellore Institute of Technology, Vellore	Structural Design 10.00 LL Overhead Water Tank	TWAD Board, India	1 month	0.59
Dr. Konala S K Karthik Reddy	Dr. Visuvasam J	School of Civil Engineering, Vellore Institute of Technology, Vellore	Analysis and Design of Warehouse Design Basis Report	Land Concepts Private Ltd, India	4 months	0.53
Dr. Visuvasam J	Dr. Punitha Kumar A	School of Civil Engineering, Vellore Institute of Technology, Vellore	Recommendation of Safe Bearing Capacity (SBC) for the Proposed Construction of Retaining Wall at the Riverbanks of Ponnai River	TANGEDC O, India	1 month	0.40
Dr. Prasanth S	Dr. Abdul Rahim A	Centre for Disaster Mitigation and Managaement, VIT, Vellore	Evaluating the Integrity of Concrete of RCC Members	B&B Developers and Builders Pvt. Ltd., India	25 days	3.83
Dr. Ganapathy G.P		Centre for Disaster Mitigation and Management, VIT, Vellore	Comprehensive Hydro-Geological Survey and Investigation to Arrest Water Logging Issue and to Suggest Suitable Mitigation Measures in Premisis	Malladi Drugs and Pharmaceuticals Ltd, India	3 months	3.83
Dr. Prasanth S	Dr. Visuvasam J, Dr. Sekar S K	Centre for Disaster Mitigation and Managaement, VIT, Vellore	Condition Assessment of PSC Box Girder Bridge using Various NDT Tests	Padmavathy Buildmat, India	15 days	1.53
Dr. Prasanth S	Dr. Sekar S K	Centre for Disaster Mitigation and Managaement, VIT, Vellore	Evaluating the Integrity of Concrete of RCC Members at AB4 Building Chennai	Elite Contracto Rs Chennaip Vt Ltd, India	7 days	1.04
Dr. Prasanth S	Dr. Sekar S K	Centre for Disaster Mitigation and Managaement, VIT, Vellore	Condition Assessment of Roselyn Gardens Apartment Building	Roselyn Garden Apartments, India	14 days	0.59
Dr. Prasanth S	Dr. Abdul Rahim A	Centre for Disaster Mitigation and Managaement, VIT, Vellore	Evaluating the Integrity and In-Situ Compressive Strength of Concrete in the Roof Slab of Block-A	Kalpataru Projects Internatio nal Ltd, India	22 days	0.41
						Amount received (Rs.):16.57

(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. Hareesh M		School of Civil Engineering, VIT, Vellore	Stability Assessment and Design Check for Ware House and Pilot Shop and Technical Centre	Neo Heights Builders and Promoter S Pvt. Ltd., India	1 month	2.19
Dr. Hareesh M		School of Civil Engineering, VIT, Vellore	Investigation on Structural Design Adequancy and Construction Practise of a G+2 Steel Structure.	Team Tech Environm Ent Health Safety Pvt., Ltd, India	2 days	0.59
Dr. Prasanth S	Dr. Abdul Rahim A, Dr. Visuvasam	Centre For Disaster Mitigation and Management, VIT, Vellore	Condition Assessment of UCO Bank Building	The United Commerc Ial Bank Ltd, India	17 days	2.32
Dr. Prasanth S	Dr. Ramamohan Rao	Centre for Disaster Mitigation and Management, VIT, Vellore	Evaluation of Concrete Rafts Using Non-Destructive Techniques For E-Block	Kalpataru Projects International Ltd, India	21 days	0.82
Dr. Ramamohan Rao	Dr. Prasanth S	Centre for Disaster Mitigation and Management, VIT, Vellore	Integrity of Concrete Using Non-Destructive Techniques - Ultrasonic Pulse Velocity and Rebound Hammer Testsin Raft Footing	Elite Contractors Chennai Pvt Ltd, India	15 days	0.76
Dr. Ramamohan Rao	Dr. Prasanth S	Centre for Disaster Mitigation and Management, VIT, Vellore	Integrity of Concrete Lift Zone Using Ultrasonic Pulse Velocity	Elite Contractors Chennai Pvt Ltd, India	7 days	0.60
Dr. Prasanth S	Dr. Sekar S K	Centre for Disaster Mitigation and Management, VIT, Vellore	Examining the Concrete Integrity in the Grouted and Retrofitted Regions on the E-Block Raft Footing-1	Kalpataru Projects Internatio nal Ltd., India	12 days	0.47
Dr. Rama Mohan Rao P	Dr. Prasanth S	Centre for Disaster Mitigation and Management, VIT, Vellore	Evaluating the Integrity of Concrete in the Shear Walls at the Lift Zone in Grouted Region through Ultrasonic Pulse Velocity Test	Elite Contractors Pvt. Ltd., India	10 days	0.30
Dr. Prasanth S	Dr. Rama Mohan Rao P	Centre for Disaster Mitigation and Management, VIT, Vellore	Concrete Integrity in the Grouted Area on the Raft Footing	Kalpataru Projects International Ltd, India	10 days	0.29
Dr. Rama Mohan Rao P	Dr. Prasanth S	Centre for Disaster Mitigation and Management, VIT, Vellore	Evaluation of Concrete Beams using Non-Destructive Techniques for PRP Phase -II C Block	Kalpataru Projects International Ltd, India	14 days	0.10
Dr. Shanthakumar S		Centre for Clean Environment, VIT, Vellore	Assessing the Design Adequacy of Sewage Treatment Plant (STP), Grey Water Treatment Plant (GWTP) and Effluent Treatment Plant (ETP) with a Capacity Of 260KLD 340KLD and 60KLD	Eco Services India Pvt Ltd , India	1 month 3 days	1.77
Dr. Shanthakumar S		Centre for Clean Environment, VIT, Vellore	Assessing the Design Adequacy of Sewage Treatment Plant (STP) and Grey Water Treatment Plant (GWTP) with a Capacity of 350KLD and 365 KLD	Eco Services India Pvt Ltd , India	1 month 3 days	1.77
Dr. Shanthakumar S		Centre for Clean Environment, VIT, Vellore	Assessing the Design Adequacy of Sewage Treatment Plants (Stps) With a Total Capacity Of 450 KLD	Eco Services India Pvt Ltd , India	1 month	1.47
Dr. Shanthakumar S		Centre for Clean Environment, VIT, Vellore	Assessing the Design Adequacy of Sewage Treatment Plants (STP) and Grey Water Treatment Plant (GWTP) with a Total Capacity of 180 KLD and 260KLD	Eco Services India Pvt. Ltd., India	3 days	1.18
Dr. Shanthakumar S		Centre for Clean Environment, VIT, Vellore	Assessing the Design Adequacy of Sewage Treatment Plants (STP) with a Total Capacity of 1300KLD	Eco Services India Pvt Ltd , India	1 month	1.18
Dr. Thirumalini S		Centre for CO2, VIT, Vellore	Carbon Capture	Novaday Sciences Pvt Ltd, India	3 months 3 days	1.23
Dr. Thirumalini S		Centre for CO2, VIT, Vellore	Premixed Plaster Made from Jarosite	Novaday Sciences Pvt Ltd, India	3 months	0.88
Dr. Thirumalini S		Centre for CO2, VIT, Vellore	Mineroloical Microstructure and Porosity Studies of EZY Additive Pastes	Novaday Sciences Pvt Ltd, India	1 year 7 months	0.27

Dr. Thirumalini S		Centre for CO2, VIT, Vellore	SCMs Characterization report	ALCOLAB India LLP, India	1 month 10 days	0.23
Dr. Thirumalini S		Centre for CO2, VIT, Vellore	Minerological and Microstructural studies of cementitious Material	Novaday Sciences Pvt Ltd, India	1 month	0.20
Dr. Thirumalini S		Centre for CO2, VIT, Vellore	Phase Composition	ALCOLAB India LLP, India	1 month	0.19
						Amount received (Rs.):18.81

(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. Thirumalini S	Dr. Shanmuga Priya T	School of Civil Engineering, Vellore Institute of Technology, Vellore	Clay Sale as SCM	Flsmidth Private Limited, India	10 months	11.40
Dr. Bhaskar Das	Dr. Srimuruganandam B; Dr. Saravana Kumar M P; Dr. Parimala Renganayaki S; Dr. Shantha Kumar S	School of Civil Engineering, Vellore Institute of Technology, Vellore	Assessing And Promoting Low-Cost Methods for Detection of Lead in Soil to Support Identification of Contaminated Sites	Pure Earth, India	10 months 22 days	9.62
Dr. Bala Murugan S		School of Civil Engineering, Vellore Institute of Technology, Vellore	Arriving the Mixture Proportion of -S BLOCK	B & B Builders, India	2 months 16 days	1.77
Dr. Bala Murugan S		School of Civil Engineering, Vellore Institute of Technology, Vellore	Arriving the Mixture Proportion For -T Block	Elite Contract Ors, India	2 months 15 days	1.23
Dr. Muthu Kumar M		School of Civil Engineering, Vellore Institute of Technology, Vellore	Preparation of DPR for Work of Formation of Bypass Around Aranthagi Town	Dream Shell Construct Ion, India	3 months	1.23
Dr. Divya Priya B		School of Civil Engineering, Vellore Institute of Technology, Vellore	Documentation of 117-Year-Old Law College Building	Aptsorbh Private Limited, India	2 months	0.75
Dr. Bala Murugan S		School of Civil Engineering, Vellore Institute of Technology, Vellore	Arriving the Mixture Proportion For -PRP II Block	Kalpataru Power Transmis Sion Ltd, India	2 months 13 days	0.53
Dr. Ramamohan Rao	Dr. Prasanth S	Centre for Disaster Mitigation and Management, VIT, Vellore	Evaluation of Concrete Footing Using Non-Destructive Techniques	Kalpataru Projects International Ltd., India	28 days	0.82
Dr. Shanthakumar S	Dr. Ganapathy G.P	Centre for Clean Environment, VIT, Vellore	Providing Knowledge Support and Environmental Training and Awareness to Schools and Villages	Eco Services India Pvt Ltd, India	2 months	18.26
Dr. Shantha Kumar S	Dr. Punitha Kumar A; Dr. Jayaprakash J	Centre for Clean Environment, VIT, Vellore	Assessing the Design Adequacy of Sewage Treatment Plant (STP) With a Capacity of 2 MLD and Structural Stability of Existing Buildings for a Township	Eco Services India Pvt. Ltd., Chennai, India	1 month	7.08
Dr. Shanthakumar S		Centre for Clean Environment, VIT, Vellore	Assessing the Design Adequacy of Sewage Treatment Plants (STPs) & Grey Water Treatment Plants (Gwtps) with a Total Capacity of 550 KLD and 639 KLD	Eco Services India Pvt. Ltd., India	27 days	5.90
Dr. Shanthakumar S		Centre for Clean Environment, VIT, Vellore	Assessing the Design Adequacy of Sewage Treatment Plants (Stps) & Grey Water Treatment Plants (GWTPs) with a Total Capacity of 760 KLD and 65 KLD	Eco Services India Pvt. Ltd., India	1 month	2.95
Dr. Thirumalini S		Centre for CO2, VIT, Vellore	Restoration of Stepwells	The Bikanoor Stepwell the Rainwater Project, India	3 months	0.64
Dr. Thirumalini S		Centre for CO2, VIT, Vellore	Material Characterization Report	Kshetra, India	8 months	2.83
Dr. Thirumalini S		Centre for CO2, VIT, Vellore	Green Technology Products in Lime Clay Mortar	Novaday Sciences Pvt. Ltd., India	7 months	0.61
						Amount received (Rs.):65.62

Total amount (Lacs) received for the past 3 years: 101.00

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

(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. Mahenthiran S	A Comprehensive Investigation of Microplastic Abundance and Distribution Along Muttukadu Backwater	2 years	3.75	3.32	Journal Publication and PhD Student
Dr. Punitha Kumar A	Fire Analysis of Restrained Steel Columns Under Real Temperatures	2 years	3.50	2.70	PhD Student
Dr. Shanmuga Priya T; Dr. Prasanna Venkatesan R	Evaluation of Corrosion Inhibition Capacity of Ternary Blended Nano Composite Coated Rebar	1 year	2.25	2.15	Journal publication
Dr. Suganya OM	Experimental Investigation of Mechanical Strength and Durability of Ultra	2 years	2.00	1.25	Journal publication
Dr. Visuvasam J	Fabrication of High-Strength Ductile Precast ECC Wall Panels	1 year	3.00	0.63	In progress
Dr. Konala S K Karthik Reddy	Optimizing a 3D Printed Beam by Incorporating Fibers for Reinforcement: Parametric Design of	1 year	2.50	2.13	Journal publication
Dr. N. Senthil Kumar	Improved Impact Resistance in Steel Bridge Deck using Linearly Varying X-Bracing and Springs	2 years	4.50	4.50	One patent
			Amount received (Rs.): 21.50		

(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. Suganya OM	Light Weight Pozzolanic Paddy Straw Concrete Production	2 years	3.63	2.50	PhD student
Dr. Thirumalini S; Dr. Hareesh M & Dr. Govardhan K	Nano Lime Synthesis and Characterization for Grouting in Heritage Structures	1 year	2.31	2.11	Journal Publication
Dr. Muthukumar M & Dr. Murugavelh S	Formulation of Prosophis Juliflora and Lpde-Based Modified Bitumen for Construction of Pavements	1 year	2.25	1.86	Journal Publication
			Amount received (Rs.): 8.19		

Total amount (Lacs) received for the past 3 years : 29.69

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	Strength of Materials Laboratory (NABL	3	1. Digital Brinell hardness Testing Machine 2. Rockwell Hardness Testing Machine 3. Spring testing	38 hours	Mr. N. Bakiya	Lab Assistant	B.Tech. (Civil

2	Geotechnical Laboratory	3	1. Direct Shear Apparatus 2. U.C.C Test Apparatus 3. CBR	8 hours	Mrs. M. Jaya(	Technical Offi	B.Tech (Civil
3	Concrete Technology Laboratory	3	1. Digital Compression Testing Machine (2000 kN) 2. Hot air	8 hours	Mr. Dinesh	Lab Assistant	B.Tech (Civil
4	Civil Computing Centre	1	Hardware 1. Desktop computers Software 2. Auto Desk Package	60 hours	Mr. P. Vasude	Lab Assistant	B.Tech. (Civil
5	Advanced Strength of Materials Laboratory	3	1. Compression Testing machine (3000 kN) 2. Torsion testing	8 hours	Mr. R. Dharm	Lab Assistant	Diploma in Ci
6	Environmental Engineering Laboratory	3	1. Digital pH meter 2. Digital Conductivity Meter 3. Turbidity	8 hours	Mr. S. T. Sure	Lab Assistant	M. Sc (Chem
7	Fluid Machinery Laboratory	3	1. Pelton turbine 2. Francis Turbine 3. Kaplan Turbine 4.	8 hours	Mr. T. Suresh	Lab Technicia	I.T.I.
8	Surveying Laboratory	3	1. Theodolite 2. Dumpy level 3. Plane table 4. Prismatic Compass	8 hours	Mr. C. Anand:	Lab Technicia	I.T.I.
9	Fluid Mechanics Laboratory (Shared Laboratory)	3	1. Orifice Apparatus 2. Mouthpiece Apparatus 3.	24 hours	Mr. P Rangar	Lab Assistant	Diploma in M

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Strength of Materials Laboratory	1. All testing machines are properly earthed. 2. MCBs are installed for protection from electrical faults. 3. Protective guards are provided on moving parts of machines. 4. Load application is done under supervision to avoid sudden failures. 5. Safety goggles and gloves are used. 6. Clear marking of safe operating zones around machines. 7. Know the locations and operating procedures of all safety Equipment in the laboratory such as first aid kit, fire extinguisher
2	Geotechnical Laboratory	1. Know the locations and operating procedures of all safety Equipment in the laboratory such as first aid kit, fire Extinguishers etc. 2. All electrical devices are properly earthed. 3. MCBs are used for protection against electrical faults. 4. Safety shoes and gloves are mandatory while handling soil testing equipment. 5. Adequate space and housekeeping to prevent tripping hazards. 6. Use heat-resistant gloves or tongs while removing soil samples from the oven. 7. Lift heavy rammers and moulds using your legs to avoid back injuries. 8. Keep hands dry while operating electrical equipment and switches. 9. Stand on the side of the Lab equipment and avoid crossing the yellow line near the machine 10. High pressure equipment (Cyclic Triaxial Machine) handle carefully to avoid high velocity water spray
3	Concrete Technology Laboratory	1. Electrical equipment is properly grounded and MCBs are installed for safety. 2. Use of safety shoes, gloves, goggles, masks, and lab coats are mandatory. 3. Wet cement, chemicals, and admixtures are handled carefully to avoid skin irritation and inhalation hazards. 4. Laboratory floors are kept clean and dry, and concrete spills are removed immediately to prevent accidents. 5. Testing and mixing machines are operated only by trained personnel and are equipped with safety guards/covers. 6. Proper material handling practices are followed for lifting heavy objects and storing cement and chemicals safely. 7. Emergency preparedness measures such as fire extinguishers, first-aid kits, ventilation, and emergency exits are available in the laboratory.
4	Civil Computing Centre & BIM Lab	1. All computer systems are properly earthed. 2. UPS systems are installed for power backup and protection. 3. Fire safety equipment such as extinguishers is available. 4. Proper cable management to avoid tripping hazards. 5. Adequate ventilation and cooling systems are maintained. 6. Antivirus and cybersecurity measures are implemented. 7. Ergonomic seating and workstation arrangements are provided. 8. Avoid downloading unauthorized software 9. First-aid kits are available. 10. Do not place liquids near electronic equipment 11. Switch off and Shutdown systems properly after use 12. Avoid storing flammable materials near computers.

5	Advanced Strength of Materials Laboratory	1. Know the locations and operating procedures of all safety equipment such as first aid kits, fire extinguishers, emergency stop switches, and eye wash stations. 2. Ensure all testing machines and electrical equipment are properly earthed before operation. 3. Use MCBs and proper electrical protection systems to prevent electrical faults and short circuits. 4. Wear safety shoes, gloves, and safety goggles while conducting experiments and handling specimens. 5. Check specimens for cracks or defects before testing to avoid sudden failure during loading. 6. Handle heavy specimens, loading attachments, and machine accessories carefully using proper lifting techniques. 7. Stand near the laboratory equipment at a safe distance during machine operation. 8. Never exceed the specified load capacity of testing machines such as as Tensile testing machine, Compression Testing Machines and torsion testing machines. 9. Ensure proper alignment of specimens before applying load to prevent sudden slipping or breakage. 10. Keep hands dry while operating electrical switches, control panels, and testing machines. 11. Keep the laboratory floor clean and dry to avoid slipping or tripping hazards. 12. Do not touch fractured specimens immediately after testing, as sharp edges may cause injuries. 13. Use heat-resistant gloves or tongs while handling heated specimens or equipment after furnace/oven operations. 14. Switch off the power supply after completing the experiment and report any equipment malfunction immediately to the lab instructor or technician.
6	Environmental Engineering Laboratory	1. Know the locations and operating procedures of all safety Equipment in the laboratory such as first aid kit, fire Extinguishers etc. 2. Mandatory use of PPE (lab coat, gloves, goggles and shoes) during chemical, sludge and microbiological analysis is strictly enforced. 3. Dedicated fume hoods are provided for COD digestion, handling acid & volatile chemicals. 4. Acid-resistant work benches and sinks are installed for handling strong acids (H_2SO_4, HNO_3). 5. Chemical storage (acids, alkalis, oxidizing agents, solvents) is segregated with proper labeling. 6. Strict prohibition of mouth pipetting and only mechanical pipetting devices are used. 7. Spill management system with neutralizing agents ($NaHCO_3$/NaOH/Ca (OH)2) is displayed in the lab for reference and followed. 8. Sewage and wastewater samples are handled properly and disinfected after use. 9. Sample storage and preservation are allowed only if they are labeled. 10. Contaminated samples are discarded on monitoring. 11. BOD incubator operation has restricted access with safety protocol. 12. COD digestion unit operation is done in a controlled environment with heat-resistant gloves and splash protection. 13. Adequate ventilation and exhaust systems are there for analytical and digestion processes. 14. Color-coded, clearly labeled containers are placed at designated locations to avoid mixing and cross-contamination of wastes that are segregated at source (Chemical, Biological and Glass waste)
7	Fluid Machinery Laboratory	1. Keep first-aid kits accessible 2. Non-slip shoes to avoid falls 3. Never operate machines without supervision 4. Do not exceed recommended pressure or flow limits 5. Keep hands and clothing away from moving parts 6. Ensure electrical wiring is intact 7. Keep tools and hoses organized. 8. Know the location of fire extinguishers and emergency shut-off switches
8	Surveying Laboratory	1. Use of safety shoes, goggles and lab coats are mandatory in the fieldwork. 2. One user should always stay with mounted instruments (Total Stations, DGPS) 3. Know the locations and operating procedures of all safety Equipment in the laboratory such as first aid kit, fire extinguisher 4. Don't look directly into the laser beams of electronic distance meters (EDMs). 5. Don't carry ranging rods and levelling staffs straight up and down and carefully handle while crossing the electrical lines. Don't keep instruments over your shoulder, to avoid hitting others. 6. Field safety guidelines are followed during outdoor surveys. 7. Well instruction should be given on environmental and terrain hazards during fieldwork.
9	Fluid Mechanics Laboratory (Shared Laboratory)	1. All electrical installations are properly earthed. 2. MCBs are used to prevent electrical hazards. 3. Proper drainage and spill management systems are in place. 4. Non-slip flooring near water flow areas. 5. Students are instructed related to safe handling before operating equipment. 6. Fire safety equipment and first-aid box are available.
10	3D-printing Lab	1. Know the locations and operating procedures of all safety Equipment in the laboratory such as first aid kit, fire Extinguishers etc. 2. Use personal protective equipment (PPE), helmet and safety shoes. 3. Keep the laboratory clean and free from obstacles to avoid slipping or tripping hazards. 4. Ensure adequate ventilation to reduce cement dust and chemical fumes. 5. Verify proper lighting around the printer and mixing area before use. 6. All electrical installations are properly earthed. 7. MCBs are used to prevent electrical hazards. 8. Operate the machine only by trained personnel. 9. Use safe lifting techniques or material-handling equipment for heavy bags and equipment. 10. Follow standard operating procedures (SOPs) for all equipment.

11	FIST Lab	1. Know the locations and operating procedures of all safety Equipment in the laboratory such as first aid kit, fire Extinguishers etc. 2. Wear appropriate personal protective equipment (PPE) such as lab coat, gloves, safety goggles, mask, and closed footwear. 3. Electrical equipment is properly grounded and MCBs are installed for safety. 4. MCBs are used to prevent electrical hazards. 5. Operate the machine only by trained personnel. 6. Store cylinders in a dry, well-ventilated area. Outdoor storage is highly recommended for flammable gases 7. Dedicated fume hoods is provided.
12	Transportation Lab	1. Know the locations and operating procedures of all safety Equipment in the laboratory such as first aid kit, fire Extinguishers etc. 2. Electrical equipment is properly grounded and MCBs are installed for safety. 3. Use personal protective equipment (PPE), helmet and safety shoes. 4. Keep work areas clean and organized. 5. Follow material handling practice while lifting heavy objects safely. 6. Use heat-resistant gloves or tongs when removing material from oven/furnace. 7. Operate laboratory instruments only after proper training.
13	Heritage Lab	1. Know the locations and operating procedures of all safety Equipment in the laboratory such as first aid kit, fire Extinguishers etc. 2. Electrical equipment is properly grounded and MCBs are installed for safety. 3. Wear appropriate personal protective equipment (PPE) such as lab coat, gloves, safety goggles, mask, and closed footwear. 4. Handle heritage samples, manuscripts, sculptures, pottery, textiles, or archaeological materials with extreme care. 5. Label all chemical containers properly. 6. Store acids, solvents, and reagents in designated cabinets. 7. Keep work areas neat and organized. 8. Operate laboratory instruments only after proper training.
14	Non-Destructive Testing (NDT) Lab	1. Use of personal protective equipment (PPE), helmet and safety shoes. 2. The user is instructed related to safe handling before operating equipment. 3. Follow manufacturer recommendations for operational tests and safety mechanism checks 4. Keep the floor and workstations free of debris, powders, and liquid spillage 5. Follow material handling practices while lifting heavy objects and storing chemicals safely. 6. Wear approved safety harness and use scaffolding arrangements during operation of any equipment when height exceeds 3m
15	Structural Engineering Lab	1. Know the locations and operating procedures of all safety Equipment in the laboratory such as first aid kit, fire Extinguishers etc. 2. Use of personal protective equipment (PPE), helmet and safety shoes. 3. Follow proper dress code. 4. Electrical equipment is properly grounded and MCBs are installed for safety. 5. The user is instructed related to safe handling before operating equipment. 6. Use heat-resistant gloves or tongs when removing material from oven/furnace. 7. Use heavy-duty work gloves for rebar and masonry; use chemical-resistant gloves when handling form oils or epoxy resins. 8. Use cranes/ heavy lifting machines under proper supervision /after proper training.

D3. Project Laboratory/Research Laboratory

The Department has established dedicated Project and Research Laboratories facilities, to support undergraduate student projects, research scholars, faculty research and innovative activities. These laboratories are equipped with advanced instruments, experimental setups and advance software packages that enable the students to work on real-world problems and undertake interdisciplinary projects. Undergraduate students carry out their major projects using these additional facilities available in the department. All the laboratories are functional during regular hours and beyond working hours.

The laboratory is supervised by a faculty in-charge and supported by trained technical staff, ensuring safe operation, optimal utilization of equipment, and continuous technical assistance. The facility is accessible during regular working hours and beyond, as per institutional norms, enabling effective execution of student projects and research activities. The outcomes include successful completion of student projects, research publications, conference presentations, and contributions to collaborative and funded research initiatives.

Table 7.5.1 presents the various project and research laboratories.

Table No. 7.5.1: List of project laboratory/research laboratory

Sl. No.	Laboratory Details
1.	**Laboratory:** Structural Engineering Lab **Major Facility:** Actuator Loading Frame-60T, Loading Frame-100T **Utilization:** PG Projects /Research **Remarks:** Used for conducting static and cyclic load tests on structural elements such as beams and columns to evaluate strength, stiffness, load carrying capacity and failure behavior under controlled loading conditions. **Major Facility:** High temperature furnace, 1000°C, 440V/120Amps **Utilization:** PG Projects/Research **Remarks:** A high temperature furnace is used in concrete technology and material testing to evaluate how concrete behaves under extreme heat and fire conditions.
2.	**Laboratory:** Concrete 3D Printing Lab **Major Facility:** 3D Concrete Printer, TVASTA Software **Utilization:** UG, PG Projects /Research **Remarks:** Used for automated layer-by-layer fabrication of concrete elements to study printability, buildability and structural performance of 3D printed components using customized mix designs and toolpath control through TVASTA software.
3.	**Laboratory:** Digital Construction Lab (BIM) **Major Facility:** LIDAR (BLK360 G2 Laser Scanner) **Specifications:** Make: Leica, Model: BLK360 G2, Range: 45 m, Features: 5-bracket HDR imaging, VIS (Visual Inertial System) technology, Full density scan with images in 1:35 sec, millimeter-level accuracy Speed: 6,80,000 points/sec **Utilization:** UG/PG Projects / Research / Consultancy **Remarks:** Used for Building Information Modeling (BIM), 3D laser scanning, reality capture, digital twin creation, construction monitoring, and accurate spatial data acquisition for civil engineering applications.
4.	**Laboratory:** Advanced Materials Characterization Lab (FIST Lab) **Major Facility:** Mercury Intrusion Porosimetry – Make: Anton, Paar Model: Poremaster 60 Epsilon 1 Benchtop XRF Spectrometer – Make: Malvern, Panalytical Model: Epsilon 1 **Utilization:** UG, PG Projects /Research/Testing **Remarks:** Used for advanced characterization of construction materials, including pore structure analysis, density and porosity measurements, and elemental composition analysis for research, quality control, and durability assessment.
5.	**Laboratory:** Disaster Research Lab (DRL), (CDMM) **Major Facility:** Ultrasonic Pulse Velocity Tester (PUNDIT PL-200) – Make: Proceq, Switzerland, Model: PUNDIT PL-200 **Utilization:** PG Projects /Research/ Consultancy **Remarks:** Used for non-destructive evaluation of concrete structures in disaster-prone areas, assessing structural integrity, uniformity, and quality of concrete for safety analysis and rehabilitation studies

6.	**Laboratory:** Environmental Analytical Lab (CCE) **Major Facility:** Gas Chromatography–Mass Spectrometry (GC-MS) System – Make: PerkinElmer, Model: GC 2400; MS 2400SQ T **Utilization:** UG, PG Projects /Research/Consultancy **Remarks:** Used for qualitative and quantitative analysis of organic pollutants in water and environmental samples, supporting research in environmental engineering, pollution control, and clean environment studies.
7	**Project Lab** **Utilization:** UG student - Project activities and prototype development

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)	5100	255	303	524	136
2024-25(CAYm1)	5160	258	299	529	134
2025-26(CAY)	5280	264	303	545	133

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	3600000000	3575966159	6000000000	5080691444	3400000000	2979960603	1900000000	1585598801
Library	168400000	166736563	164000000	139398711	111500000	97025088	117000000	97121109
Laboratory equipment	1002100000	983602900	1220500000	1033597835	915200000	795598178	680000000	548925435
Teaching and non-teaching staff	4900000000	4819215262	4950000000	4195246836	4300000000	3749579079	3900000000	3208184522
Outreach Programs	2800000	2726445	3100000	2633348	3700000	3155387	2500000	2006476
R&D	1220000000	1209695111	1140000000	969348893	980000000	849973302	720000000	590692932
Training, Placement and	360000000	356633695	400000000	343557148	380000000	335431086	270000000	220356570
SDGs	605000000	602202981	530000000	474096667	465000000	418201838	480000000	411382510
Entrepreneurship	3800000	3740650	10000000	9028114	1900000	1673033	1800000	1433619
Others - Students Welfare, Electricity	3350500000	3375827239	3632500000	3021070718	2884000000	2436553384	2655500000	2187732645
Total	**15212600000**	**15096347005**	**18050100000**	**15268669714**	**13441300000**	**11667150978**	**10726800000**	**8853434619**

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	6000000	5577898.50	20600000	19807108.47	7140000	6239619.96	4960000	4471901.60
Software	1200000	1184264.25	1648000	1613669.69	3024000	2984924.04	1840000	1809700
SDGs	1500000	1331681.25	1730400	1472275.41	1932000	1799725.20	960000	827572.80
Support for faculty development	1014075	429635.25	164800	207868.83	193200	148606.92	160000	88960.80
R & D	738750	277446	432600	299524.82	1113000	932167.32	560000	1014084.80
Industrial Training, Industry expert,	844500	735834	1409040	574076.68	1428000	672597.24	1952000	796312
Miscellaneous Expenses*	2122356	1951371	2579120	1772637.42	1942500	1500292.08	1916248	1573394.40
Total	**13419681**	**11488130.25**	**28563960**	**25747161.32**	**16772700**	**14277932.76**	**12348248**	**10581926.40**