

NATIONAL BOARD OF ACCREDITATION

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

PART-A: Profile of the Institute

Name of the Program Applied for: B.Tech. - Civil Engineering

A1: Name of the Institute: Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
Year of Establishment : 1997 **Location of the Institute :** No. 42, Avadi – Vel Tech Road, Avadi, Chennai – 600 062.
A2: Institute Address: -
City : Chennai **State :** Tamil Nadu
Pin Code : 600 062 **Website :** www.veltech.edu.in
E-mail : diaq@veltech.edu.in **Phone No (with STD Code) :** 044-26841348

A3: Name and Address of the Affiliating University (If any): NA

Name of the University : City :
State : Pin Code :

A4: Type of the Institution: - (Tick the applicable choice)

Institute of National Importance ☐ Deemed University * ☒
University ☐ Autonomous ☐
Non-Autonomous (Affiliated) ☐ Any other (Please specify) ☐

***MHRD F.9-55/2004-U.3(A) Dt. 15th Oct 2008**

A5: Ownership Status: - (Tick the applicable choice)

Central Government ☐ State Government ☐
Government Aided ☐ Self-financing ☒
Any Other (Please specify) * ☐

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

- ❖ No. of UG programs: 15
- ❖ No. of PG programs: 13

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

S.N.	Level of program (UG/PG)	Name of the program	Year of Start	Year of close*	Name of the Department
1	UG	Aeronautical Engineering	2007	-	Aeronautical Engineering

S.N.	Level of program (UG/PG)	Name of the program	Year of Start	Year of close*	Name of the Department
2	UG	Artificial Intelligence and Data Science	2021	-	Artificial Intelligence and Data Science
3	UG	Artificial Intelligence and Machine Learning	2021	-	Artificial Intelligence and Machine Learning
4	UG	Biomedical Engineering	2017	-	Biomedical Engineering
5	UG	Biotechnology	2017	-	Biotechnology
6	UG	Civil Engineering	2009	-	Civil Engineering
7	UG	Computer Science and Design	2021	-	Computer Science and Design
8	UG	Computer Science and Engineering	1997	-	Computer Science and Engineering
9	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2022	-	Computer Science and Engineering (Artificial Intelligence & Machine Learning)
10	UG	Computer Science and Engineering (Cyber Security)	2022	-	Computer Science and Engineering (Cyber Security)
11	UG	Computer Science and Engineering (Data Science)	2022	-	Computer Science and Engineering (Data Science)
12	UG	Electrical and Electronics Engineering	1997	-	Electrical and Electronics Engineering
13	UG	Electronics & Communication Engineering	1997	-	Electronics and Communication Engineering
14	UG	Information Technology	1998	-	Information Technology
15	UG	Mechanical Engineering	2001	-	Mechanical Engineering
16	PG	Aeronautical Engineering (Unmanned Aerial Vehicles)	2015	-	Aeronautical Engineering
17	PG	Biotechnology	2020	-	Biotechnology
18	PG	Big Data Analytics	2018	-	Computer Science and Engineering
19	PG	Computer Science and Engineering	2006	-	Computer Science and Engineering
20	PG	Network Engineering	2016	2024	Computer Science and Engineering
21	PG	Information and Cyber Security	2017	-	Information Technology
22	PG	Embedded Systems and Technologies	2018	-	Electronics and Communication Engineering

S.N.	Level of program (UG/PG)	Name of the program	Year of Start	Year of close*	Name of the Department
23	PG	Power Electronics	2009	-	Electrical and Electronics Engineering
24	PG	Environmental Engineering	2018	-	Civil Engineering
25	PG	Structural Engineering	2018	-	Civil Engineering
26	PG	Industrial Safety Engineering	2016	-	Mechanical Engineering
27	PG	Metallurgical & Material Sciences	2016	-	Mechanical Engineering
28	PG	Master of Business Administration	1997	-	Management Studies

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

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

Cluster ID.	Name of the Department	Name of the Program
1	Biomedical Engineering	B.Tech. - Biomedical Engineering
2	Civil Engineering	B.Tech. - Civil Engineering
3	Computer Science and Engineering	B.Tech. - Computer Science and Engineering
4	Electronics and Communication Engineering	B.Tech. - Electronics & Communication Engineering

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)
1	Biomedical Engineering	Electronics and Communication Engineering
2	Civil Engineering	NA
3	Electronics and Communication Engineering	Biomedical Engineering
4	Computer Science and Engineering	Artificial Intelligence and Machine Learning
		Artificial Intelligence and Data Science
		Computer Science and Design
		Computer Science and Engineering (Artificial Intelligence & Machine Learning)
		Computer Science and Engineering (Cyber Security)
		Computer Science and Engineering (Data Science)
		Information Technology

PART-B: Program information

(Data to be filled in for the program applied for Accreditation)

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

Table No. B1: Program details.

S. N.	Program Name	Year of start	Sanctioned Intake	Increase/decrease in intake, if any	Year of increase/decrease	AICTE Approval Details	Accreditation Status*	No. of times program accredited
1	B.Tech. - Civil Engineering	2009	60	Yes	2024	F.No. Southern/1-43665431786/2024/EOA dt. 19-May-2024	Granted accreditation for 3 years for the period (2022-23 to 2024-25)	1

Sanctioned Intake for Last Five Years for the Civil Engineering	
Academic Year	Sanctioned Intake
2024-25	30
2023-24	60
2022-23	60
2021-22	60
2020-21	60
2019-20	120

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

A. Name of the HoD : Dr. A. Geetha Selvarani

B. Nature of appointment: (Tick the applicable choice)

- ❖ Regular ☒
- ❖ Contract ☐
- ❖ Ad hoc ☐

C. Qualification: (Tick the applicable choice)

- ❖ Ph.D. ☒
- ❖ ME/M.Tech ☐
- ❖ Any other ☐

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

Item (Information is to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	CAY (2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)	CAYm4 (2020-21)	CAYm5 (2019-20)	CAYm6 (2018-19)
N= Sanctioned intake of the program (as per AICTE /Competent authority)	30	60	60	60	60	120	120
N1= Total no. of students admitted in the 1 st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	14	13	15	32	50	89	82
N2= Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	9	8	7	14	5	3
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.	14	22	23	39	64	94	85

B4: Enrolment Ratio in the First Year**Table No. B4.1:** Student enrolment ratio in the 1st year.

Item (Students enrolled in the First Year on average over 3 academic years (CAY, CAYm1, and CAYm2))	CAY (2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
N= Sanctioned intake of the program in the 1 st year (as per AICTE/Competent authority)	30	60	60
N1= Total no. of students admitted in the 1 st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	14	13	15
N4= Total no. of students admitted in the 1 st year via all supernumerary quotas	0	0	0
Enrolment Ratio (ER)= (N1+N4)/N	0.47	0.22	0.25
Average ER= (ER_1+ ER_2+ ER_3)/3	0.31		

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	LYG (2023-24)	LYGm1 (2022-23)	LYGm2 (2021-22)
A*= (No. of students admitted in the 1 st year of that batch and those actually admitted in the 2 nd 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).	74	125	123
B=No. of students who graduated from the program in the stipulated course duration	55	70	64
Success Rate (SR)= (B/A)*100	74.32	56.00	52.03
Average SR of three batches ((SR_1+SR_2+ SR_3)/3)	60.79		

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
X= (Mean of 1 st 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 1 st year/10)	5.13	5.85	7.12
Y= Total no. of successful students	10	14	30
Z = Total no. of students appeared in the examination	10	14	30
API = X* (Y/Z)	5.13	5.85	7.12
Average API = (API_1 + API_2 + API_3)/3	6.03		

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
X= (Mean of 2 nd 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 2 nd year/10)	5.82	6.34	6.93
Y= Total no. of successful students	22	36	60
Z =Total no. of students appeared in the examination	22	36	60
API = X* (Y/Z)	5.82	6.34	6.93
Average API = (API_1 + API_2 + API_3)/3	6.36		

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
X= (Mean of 3 rd 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 3 rd year/10)	6.98	6.84	6.74
Y= Total no. of successful students	34	60	83
Z= Total no. of students appeared in the examination	34	60	83
API = X* (Y/Z)	6.98	6.84	6.74
Average API = (API_1 + API_2 + API_3)/3	6.85		

B9: Placement, Higher Studies, and Entrepreneurship**Table No.B9.1:** Placement, higher studies, and entrepreneurship details.

Item	LYG (2023-24)	LYGm1 (2022-23)	LYGm2 (2021-22)
FS*=Total no. of final year students	74	125	123
X= No. of students placed	31	34	40
Y= No. of students admitted to higher studies	7	4	2
Z= No. of students taking up entrepreneurship	3	0	0
X + Y + Z =	41	38	42
Placement Index (P) = (((X + Y + Z)/FS) * 100)	55.41	30.4	34.14
Average placement index = (P_1 + P_2 + P_3)/3	39.98		

PART C: Faculty Details in Department and Allied Departments(Data to be filled in for the **Department and Allied Departments**)**Faculty details of Department and Allied Departments****Table No.C1:** Faculty details in the Department for the past 3 years including CAY

S.N.	Name of the Faculty	Highest Degree	University	Area of Specialization	Date of Joining in this Institution	Experience in current institute (in years)	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/Adhoc)	If contractual mention Full time or hourly based (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is " No")
1	Dr. A. Geetha Selvarani	ME/ M. Tech and PhD	Anna University	Environmental Engineering	23-09-2017	7.4	Prof.	Prof.	23-09-2017	Reg ular	NA	Y e s	
2	Dr. S. Samson	ME/ M. Tech and PhD	Anna University	Structural Engineering	24-05-2016	8.8	Prof.	Prof.	24-05-2016	Reg ular	NA	Y e s	
3	Dr. K. R. Aswin Sidhaarth	ME/ M. Tech and PhD	Anna University	Environmental Engineering	27-02-2016	8.11	Assoc. Prof.	Prof.	26-05-2023	Reg ular	NA	Y e s	
4	Dr. M. Vinod Kumar	ME/ M. Tech and PhD	Kalasalingam Academy of Research and Education	Structural Engineering	04-04-2018	6.1	Assoc. Prof.	Prof.	26-05-2023	Reg ular	NA	Y e s	
5	Dr. S. Kandasamy	ME/ M. Tech and PhD	Pondicherry University	Advanced Construction Technology	25-06-2019	5.7	Asst. Prof.	Prof.	26-05-2023	Reg ular	NA	Y e s	
6	Dr. G. Kumar	ME/ M. Tech and PhD	Bharathidasan University	Remote Sensing & GIS	28-06-2016	8.7	Asst. Prof.	Assoc. Prof.	26-10-2019	Reg ular	NA	Y e s	

S.N.	Name of the Faculty	Highest Degree	University	Area of Specialization	Date of Joining in this Institution	Experience in current institute (in years)	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/Adhoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is " No")
7	Dr. J. Logeshwari	ME/ M. Tech and PhD	Indian Institute of Science Bangalore	Geotechnical Engineering	15-09-2017	7.5	Asst. Prof.	Assoc. Prof.	27-12-2021	Reg ular	NA	Y e s	
8	Dr. A. Chithambar Ganesh	ME/ M. Tech and PhD	Kalasalingam Academy of Research and Education	Structural Engineering	06-02-2023	2	Assoc. Prof.	Assoc. Prof.	06-02-2023	Reg ular	NA	Y e s	
9	Dr. K. Tamilarasan	ME/ M. Tech and PhD	Anna University	Environmental Engineering	27-05-2019	5.8	Asst. Prof.	Assoc. Prof.	25-07-2024	Reg ular	NA	Y e s	
10	Dr. R.M. Saravana Kumar	ME/ M. Tech and PhD	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology	Structural Engineering	25-06-2014	10.7	Asst. Prof.	Asst. Prof.		Reg ular	NA	Y e s	
11	Mr. T. Nelson Ponnu Durai	M.E/ M.Tech	St. Peter's Institute of Higher Education and Research	Structural Engineering	29-06-2015	9.7	Asst. Prof.	Asst. Prof.		Reg ular	NA	Y e s	

S.N.	Name of the Faculty	Highest Degree	University	Area of Specialization	Date of Joining in this Institution	Experience in current institute (in years)	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/Adhoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is " No")
12	Dr. S. Baskar	ME/ M. Tech and PhD	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology	Irrigation And Water Resource Engineering	26-11- 2015	9.2	Asst. Prof.	Asst. Prof.		Reg ular	NA	Y e s	
13	Mr. T. Udhaya Kumar	M.E/ M.Tech	Pondicherry University	Advanced Construction Technology	06-06- 2016	8.8	Asst. Prof.	Asst. Prof.		Reg ular	NA	Y e s	
14	Dr. S. Selva Kumar	ME/ M. Tech and PhD	Anna University	Infrastructure Engineering Management	25-06- 2019	5.7	Asst. Prof.	Asst. Prof.		Reg ular	NA	Y e s	
15	Dr. B. Ramalingam	ME/ M. Tech and PhD	Anna University	Environmental Engineering	28-12- 2022	2.1	Asst. Prof.	Asst. Prof.		Reg ular	NA	Y e s	
16	Dr. K. K. Gaayathri	ME/ M. Tech and PhD	Annamalai University	Structural Engineering	27-02- 2023	1.11	Asst. Prof.	Asst. Prof.		Reg ular	NA	Y e s	
17	Dr. J. Anita Jessie	ME/ M. Tech and PhD	Vellore Institute of Technology	Structural Engineering	27-03- 2023	1.1	Asst. Prof.	Asst. Prof.		Reg ular	NA	Y e s	

S.N.	Name of the Faculty	Highest Degree	University	Area of Specialization	Date of Joining in this Institution	Experience in current institute (in years)	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/Adhoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is " No")
18	Dr. J. Cici Jennifer Raj	ME/ M. Tech and PhD	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technolog	Structural Engineering	28-03-2023	1.1	Asst. Prof.	Asst. Prof.		Reg ular	NA	Y e s	
19	Dr. J. Shanmugapriya	ME/ M. Tech and PhD	Anna University	Construction Engineering and Management	27-04-2023	1.9	Asst. Prof.	Asst. Prof.		Reg ular	NA	Y e s	
20	Dr. S. Gopi Kumar	ME/ M. Tech and PhD	Anna University	Environmental Engineering	31-05-2023	1.8	Asst. Prof.	Asst. Prof.		Reg ular	NA	Y e s	
21	Ms. A. Mahalakshmi	M.E/ M.Tech	Anna University	Construction Engineering and Management	26-07-2021	3.1	Asst. Prof.	Asst. Prof.		Reg ular	NA	N o	27-08-2024
22	Mr. D. Sriram	M.E/ M.Tech	Anna University	Structural Engineering	01-05-2022	1.1	Asst. Prof.	Asst. Prof.		Reg ular	NA	N o	30-06-2023
23	Mr. M. Saravanan	M.E/ M.Tech	Bhaarath Institute of Higher Education and Research	Structural Engineering	26-05-2022	1	Asst. Prof.	Asst. Prof.		Reg ular	NA	N o	25-06-2023

S.N.	Name of the Faculty	Highest Degree	University	Area of Specialization	Date of Joining in this Institution	Experience in current institute (in years)	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/Adhoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is " No")
24	Mr. J. Jeganraj	M.E/ M.Tech	Hindustan Institute of Technology and Science	Environmental Engineering	12-10-2015	7.7	Asst. Prof.	Asst. Prof.		Reg ular	NA	N o	31-05-2023
25	Ms.M. Jayadurgalaksh mi	M.E/ M.Tech	Pondicherry University	Advanced Construction Technology	09-02-2017	6.2	Asst. Prof.	Asst. Prof.		Reg ular	NA	N o	09-05-2023
26	Mr. R. Robert Singh	M.E/ M.Tech	Anna University	Structural Engineering	06-06-2015	7.11	Asst. Prof.	Asst. Prof.		Reg ular	NA	N o	02-05-2023
27	Dr. K. Nandhini	ME/ M. Tech and PhD	Anna University	Construction Engineering and Management	25-01-2023	0.3	Asst. Prof.	Asst. Prof.		Reg ular	NA	N o	02-05-2023
28	Mr. M. Sridhar	M.E/ M.Tech	Anna University	Structural Engineering	01-09-2017	5.6	Asst. Prof.	Asst. Prof.		Reg ular	NA	N o	10-03-2023
29	Mr. M. Bharath	M.E/ M.Tech	Anna University	Geotechnical Engineering	12-05-2017	5.9	Asst. Prof.	Asst. Prof.		Reg ular	NA	N o	25-02-2023
30	Mr. J. Saravanan	M.E/ M.Tech	Anna University	Environmental Engineering	08-06-2017	5.8	Asst. Prof.	Asst. Prof.		Reg ular	NA	N o	25-02-2023
31	Ms. D. G. S. Nivedha	M.E/ M.Tech	Anna University	Structural Engineering	27-01-2020	3	Asst. Prof.	Asst. Prof.		Reg ular	NA	N o	25-02-2023

S.N.	Name of the Faculty	Highest Degree	University	Area of Specialization	Date of Joining in this Institution	Experience in current institute (in years)	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/Adhoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is " No")
32	Mr. K. Cheran	M.E/ M.Tech	Anna University	Structural Engineering	27-01-2020	3	Asst. Prof.	Asst. Prof.		Regular	NA	No	25-02-2023
33	Mr. J. Rajesh	M.E/ M.Tech	Anna University	Structural Engineering	01-06-2018	4.7	Asst. Prof.	Asst. Prof.		Regular	NA	No	31-12-2022
34	Ms. V. Yamini	M.E/ M.Tech	Anna University	Construction Engineering and Management	27-01-2020	2.10	Asst. Prof.	Asst. Prof.		Regular	NA	No	24-12-2022
35	Ms. A. Sangeetha	ME/ M. Tech	SRM University	Structural Engineering	27-10-2017	4.8	Asst. Prof.	Asst. Prof.		Regular	NA	No	25-06-2022
36	Dr. S. P. Saravanan	ME/ M. Tech and PhD	Universite De Tours, France	Irrigation Water Resource Management	27-05-2019	3.0	Asst. Prof.	Asst. Prof.		Regular	NA	No	25-06-2022
37	Ms. S. Sivaranjani	ME/ M. Tech	Anna University	Structural Engineering	16-06-2014	8.0	Asst. Prof.	Asst. Prof.		Regular	NA	No	04-06-2022

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

C2: Student-Faculty Ratio (SFR)

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

Year	CAY (2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1. B // 2 nd year students of B.Tech. –Engineering	66	66	66
UG1. C // 3 rd year students of B.Tech. – Civil Engineering	66	66	66
UG1. D // 4 th year students of B.Tech. – Civil Engineering	66	66	125
UG1 // Total no.of students (2 nd , 3 rd , 4 th) in B.Tech. – Civil Engineering	198	198	257
PG1. A // 1 st year students of M.Tech. - Environmental Engineering	18	18	18
PG1. B // 2 nd year students of M.Tech. - Environmental Engineering	18	18	18
PG1 // Total no.of students (1 st , 2 nd) in M.Tech. - Environmental Engineering	36	36	36
PG2. A // 1 st year students of M.Tech. – Structural Engineering	18	18	18
PG2. B // 2 nd year students of M.Tech. - Structural Engineering	18	18	18
PG2 // Total no.of students (1 st , 2 nd) in M.Tech. - Structural Engineering	36	36	36
DS=Total no. of students in all UG and PG programs in the Department	270	270	329
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)	270	270	329
DF=Total no. of faculty members in the Department	20	21	19
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)	20	21	19
FF=The faculty members in F who have a 100% teaching load in the first-year courses	3	3	2
Student Faculty Ratio (SFR)=S/(F-FF)	15.88	15	19.35
Average SFR for 3 years	16.75		

C3: Faculty Qualification**Table No.C3.1:** Faculty qualification

Year	X	Y	RF	$FQI = 2.5 * [(10X + 4Y)/RF]$
2024-25	17	3	13	35
2023-24	16	5	13	34.62
2022-23	9	10	16	20.31

Average : 29.98**C4: Faculty Cadre Proportion****Table No.C4.1:** Faculty cadre proportion details.

Year	Professors		Associate Professors		Assistant Professors	
	Required Faculty (RF1)	Available Faculty (AF1)	Required Faculty (RF2)	Available Faculty (AF2)	Required Faculty (RF3)	Available Faculty (AF3)
2024-25	1	5	2	4	8	11
2023-24	1	5	2	3	8	13
2022-23	1	2	3	5	10	12
Average Numbers	RF1 = 1	AF1 = 4	RF2 = 2.33	AF2 = 4	RF3 = 8.67	AF3 = 12

Faculty Cadre Proportion : 69.78**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.

S. N.	Name of the Person	Designation & Organization	Name of the Course	No. of hours handled
CAY (2024-25)				
1	Mr. Rajesh Kumar	Director Technical Sales, TechApps Consulting Services, Chennai	Building Information Modeling	56 Hrs
2	Mr. Akbar Ali Khader	CEO & Managing Director - KHAAS Group, Chennai		
3	Dr. Fauziah Ahmad	Professor, School of Civil Engineering, Univeristi Sains Malaysia(USM), Malaysia	Slope Stability Modelling and Applications of Geosynthetics	50 Hrs
Total No. of Hours				106 Hrs
CAYm1 (2023-24)				
1	Dr. Bharani Iyengar	Chief Executive Officer, ParaV Electronics, UK.	IoT for Civil Engineering	45 Hrs
2	Mr. Selvaraj	Managing Director, Athira Geo Spatial Services Private Limited, Chennai.	Foundation marking and layout preparation for Buildings	15 Hrs

S. N.	Name of the Person	Designation & Organization	Name of the Course	No. of hours handled
Total No. of Hours				60 Hrs
CAYm2 (2022-23)				
1	Prof.Dr. Mustafasanie Bin M Yussof	Senior Lecturer, School of Civil Engineering, Univeristi Sains Malaysia(USM), Malaysia	Abaqus for Civil Engineers	45 Hrs
2	Mr. Selvaraj	Managing Director, Athira Geo Spatial Services Private Limited Chennai.	Modern Surveying Techniques and Applications of Total Station	15 Hrs
3	Mr. Balaji	Propertier, Ellora Builders, Chennai	Basics of Building Planning and Approval Process	15 Hrs
Total No. of Hours				75 Hrs
CAYm3 (2021-22)				
1	Prof. Dr. Mustafasanie M Yusof	Senior Lecturer, School of Civil Engineering, Univeristi Sains Malaysia(USM), Malaysia	Analysis and Design using ETABS	15 Hrs
2	Dr. Sharifah Akmam Syed Zakaria	Senior Lecturer, School of Civil Engineering, Univeristi Sains Malaysia(USM), Malaysia	Cost Estimation and Quantity Surveying	15 Hrs
3	Prof. Dr. Fan- Su Ling	Director, Taiwan- Malaysia Project Management and Digital Technology International Center, Tamkang University, Taiwan	Latest Trends in Construction	15 Hrs
4	Dr. Abdul Hakim Salleh	Research Officer, School of Civil Engineering, Univeristi Sains Malaysia(USM), Malaysia	Advanced Modern Surveying Technics	15 Hrs
5	Dr. V. Balakumar	Senior Consultant, Simplex Infrastructure Limited, Chennai	Principles of Software Based Foundation Design for Tall and Sensitive Structures	15 Hrs
6	Mr. B.S. Mukund	Sr. Deputy General Manager, Project BIM Implementation, L&T Construction, Chennai	Building Information Modelling	15 Hrs
7	Mr. Amitendra N Sarkar	Head Formwork System Upgradation & Standardization, L&T Construction, Chennai	Latest Trends in Construction Techniques & Formwork	15 Hrs
Total No. of Hours				105 Hrs

C6: Academic Research

Table No. C6.1: Faculty publication details.

S.N.	Item	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
1	No. of peer reviewed journal papers published	66	24	6
2	No. of peer reviewed conference papers published	26	22	3
3	No. of books/book chapters published	18	20	0

C7: Sponsored Research Project**Table No. C7.1:** List of sponsored research projects received from external agencies.

S. N.	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)
CAYm1 (2023-24)							
1	Dr. S. Selva Kumar	NIL	Civil Engineering	Innovative Utilization of Biopolymers as a Green Adhesive for the Stabilization of Expansive Soils	SERB TARE	3 Years	18.3
Amount received (Lacs)							18.3
CAYm2 (2022-23)							
1	Dr. S. Kandasamy	NIL	Civil Engineering	Development of Very High Volume Ultra Fine Flyash Concrete Cast Using Controlled Permeable Formwork Liner	SERB TARE	3 Years	18.3
Amount received (Lacs)							18.3
Total Amount (Lacs) Received for the Past 3 Years							36.6

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

S. N.	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)
CAY (2024-25)							
1	Dr. G. Kumar	Mr. S. Baskar Dr. M. Vinod Kumar	Civil Engineering	Inspection of Third Party Quality Checking	Dindigul Municipal Corporation, Dindigul	1 week	1.63
2	Dr. A. Geetha Selvarani	Dr. G. Kumar Dr. S. Baskar Dr. M. Vinod Kumar	Civil Engineering	Comprehensive Third Party Site Inspection	Chennai holding and vishal developers, Chennai	1 week	0.59
3	Dr. M. Vinod Kumar	Dr. G. Kumar Dr. S. Baskar	Civil Engineering	Third-party site inspection audit	Sugali enterprises Pvt Ltd., Chennai	1 week	0.236
4	Dr. M. Vinod Kumar	Dr. G. Kumar Dr. S. Baskar	Civil Engineering	Third-party site inspection audit	Sugali enterprises Pvt Ltd., Chennai	1 week	0.118
5	Dr. S. Baskar	Dr. G. Kumar Dr. M. Vinod Kumar	Civil Engineering	Third-party site inspection audit	Vallimayil Properties, Chennai	1 week	0.118
6	Dr. M. Vinod Kumar	Dr. G. Kumar Dr. S. Baskar	Civil Engineering	Comprehensive Third Party Earth Filling Survey Work	Thiruthani municipal corporation, Thiruthani	1 week	0.837

S. N.	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)
7	Dr. S. Samson	Dr. M. Vinod Kumar	Civil Engineering	Faecal Sludge treatment design	Minjur Panchayat Union, Chennai	1 week	0.442
8	Dr. G. Kumar	Mr. Baskar Dr. M. Vinod Kumar	Civil Engineering	Inspection of Third Party Quality Checking	Dindigul Municipal Corporation, Dindigul	1 week	1.86
9	Dr. S. Samson	Dr. M. Vinod Kumar	Civil Engineering	Water tank design Audit	Minjur Panchayat Union, Chennai	1 week	0.546
10	Dr. S. Baskar	Dr. G. Kumar Dr. M. Vinod Kumar	Civil Engineering	Drawing Layout using CADD	Athira Geospatial services Pvt. Ltd., Pallikaranai, Chennai	1 week	0.1118
11	Dr. M. Vinod Kumar	Dr. A. Chithambar Ganesh Mr. S. Baskar	Civil Engineering	Third-party site inspection report	Avadi Housing Board Land Audit, Chennai	1 week	0.236
12	Dr. J. Logeshwari	-	Civil Engineering	SBC calculation for site in Kilputhur village	Tamil Nadu Civil Supplies Corporation, Regional Office, Kancheepuram	1 week	0.035
13	Dr. S. Samson	Dr. A. Chithambar Ganesh Mr. S. Baskar	Civil Engineering	Compression strength for solid blocks	Florida Construction Pvt. Ltd., Chennai	1 week	0.037
14	Dr. S. Samson	Dr. S. Baskar	Civil Engineering	Audit Report for Community Building	Minjur Panchayat Union, Chennai	1 week	0.708
15	Dr. S. Baskar	Dr. G. Kumar Dr. M. Vinod Kumar	Civil Engineering	Third-party site inspection audit	Emphire Estates, Chennai	1 week	0.118
16	Dr. S. Baskar	Dr. G. Kumar Dr. M. Vinod Kumar	Civil Engineering	Third-party site inspection audit	Kalyani City, Chennai	1 week	0.118
17	Dr. G. Kumar	Mr. Baskar Dr. M. Vinod Kumar	Civil Engineering	Inspection of Third Party Quality Checking	Erode Municipal Corporation, Erode	1 week	0.59
18	Dr. M. Vinod Kumar	Dr. G. Kumar Dr. S. Baskar Dr. A. Chithambar Ganesh	Civil Engineering	Building Design Audit	Thiruthani Municipal Corporation, Thiruthani	1 week	0.767
19	Dr. M. Vinod Kumar	Dr. G. Kumar Dr. S. Baskar	Civil Engineering	Third-party site inspection audit	One World Land Holdings, Chennai	1 week	0.177
Amount received (in Lacs)							9.274
CAYm1 (2023-24)							
1	Dr. G. Kumar	Dr. S. Baskar	Civil Engineering	Boundary marking	Upscale Interior, Avadi, Chennai	1 week	0.06
2	Dr. S. Baskar	Dr. G. Kumar	Civil Engineering	Site investigation report	RR Groups, Avadi, Chennai	1 week	0.1
3	Dr. S. Baskar	-	Civil Engineering	Site investigation report	MCB Developers, Anna Nagar, Chennai	1 week	0.08

S. N.	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)
4	Mr. T. Udhaya Kumar	-	Civil Engineering	Testing of Brick Samples	BSDR Engineering Private Limited, Chennai	1 week	0.12
5	Dr. S. Kandasamy	-	Civil Engineering	Geopolymer Concrete Paver Block Testing	Professor-Department of Civil Engineering, Sri Vidhya College of Engineering and Technology, Virudhunagar – 626005	1 week	0.01
6	Dr. G. Kumar	Dr. J. Logeswari	Civil Engineering	SBC Calculation for site in Kilputhur Village, Kancheepuram site.	Mr. Yeswanth Raj, Assistant Engineer (Planning), Tamil Nadu Civil Supplies Corporation, Regional Office, Kancheepuram Taluk & District.	2 weeks	0.04
7	Dr. S. Samson	-	Civil Engineering	Compressive Strength Test	Florida Construction Pvt. Ltd. Chennai	1 week	0.04
Amount received (in Lacs)							0.45
CAYm2 (2022-23)							
1	Dr. J. Logeshwari	-	Civil Engineering	Verification of Excavation of slope Stability Report	Sekar Constructions, Chennai	1 week	0.05
2	Mr. T. Udhaya Kumar	-	Civil Engineering	Mix Design and Test report for M25, M35 and M45 grade of Cement Concrete sample	Ms. Sri Pavithra Constructions, Kadapa	1 week	0.06
3	Dr. S. Samson	-	Civil Engineering	Preliminary design drawings, footing, columns, Plinth beam, roof beam, roof slab	De'core Architect, Salem	1 month	0.05
4	Dr. S. Samson	-	Civil Engineering	Concrete permeability Test	GHAJ Constructions, Chennai	1 week	0.04
Amount received (in Lacs)							0.20
CAYm3 (2021-22)							
1	Dr. J. Logeshwari	-	Civil Engineering	Construction on site Emergency support centre at kalpakkam site (excavation slope stability report)	M/S Sekar Constructions, Kalppakam-603102	1 week	0.1

S. N.	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)
2	Mr. Udaya Kumar	-	Civil Engineering	Mix Design and Test report for M25, M35 and M45 grade of cement concrete sample	M/s. SRI PAVITHRA CONSTRUCTIONS, KADAPA	1 week	0.15
Amount received (in Lacs)							0.25
Total amount (Lacs) received for the past 3 years							10.174

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.

S. N.	Faculty name	Project title / Support for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the Project
CAYm1 (2023-24)						
1	Dr. K. K. Gaayathri & Dr. J. Anitha	Alternative Eco-Friendly Material For Sustainable Infrastructure.	1 Year	1.50	1.50	1 Patent
2	Dr. S. Selvakumar	Conference Registration and Travel Support for TARE Proposal.	1 Year	0.75	0.71	1 Publication
3	Dr. S. Samson	Micro Structural Investigation and Test Setup for Research Activity	1 Year	0.50	0.19	1 Publication
4	Dr. K. Tamilarasan	Conference Registration and Travel Support for Conference	1 Year	0.50	0.50	1 Publication
5	Dr. A. Chithambar Ganesh	Conference Registration and Travel Support for Conference	1 Year	0.50	0.50	1 Publication
Amount received (Rs.)				3.75		
CAYm2 (2022-23)						
1	Dr. M. Vinod Kumar	Development of Lightweight and Sustainable Fibre Reinforced Voided Composite Slabs	1 Year	1.17	1.17	1 Patent 2 Publications
2	Dr. J. Logeshwari	A Novel Application of Recycled Concrete Aggregate in Landfill.	1 Year	1.08	1.08	1 Publication
3	Dr. A. Chithambar Ganesh	Effective Utilization of Cassava Peel Ash as Sustainable Cementitious	1 Year	1.35	1.07	1 Publication
4	Dr. B. Ramalingam	Multifunctional Graphene-Metal Hybrid Nanocomposite Aerogel: A Low Cost Point-Of-Use Water Purifier for the Treatment of Heavy Metal and Microbial Contaminants	1 Year	1.93	1.91	1 Publication
Amount received (Rs.)				5.53		
Total amount (Lacs) received for the past 3 years				9.28		

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.

S. N.	Name of the laboratory	No. of students per setup (Batch Size)	Name of the major equipment	Weekly utilization status (all the courses for which the lab is utilized)	Technical manpower support		
					Name of the Technical staff	Designation	Qualification
1	Concrete Technology Laboratory	30 (3 Students per Batch)	1. Motorized concrete mixer. 2. Workability and Flow ability Testing <ul style="list-style-type: none">Slump cone apparatusFlow table apparatusCompaction factor apparatus 3. NDT (Non Destructive Test) <ul style="list-style-type: none">Rebound HammerUltrasonic pulse velocity equipment 4. Vicat apparatus 5. Vee Bee Consistometer 6. Concrete Aggregate Impact Testing Machine	Total hours - 16 hours 1. Concrete Technology (4 hours) 2. Minor Project (4 hours) 3. Major Project (4 hours) 4. Community Service Project (4 hours)	Mrs. R. Divya	Lab Assistant	Diploma in Civil Engineering
2	Geotechnical Engineering Laboratory	30 (3 Students per Batch)	1. Relative Density Apparatus 2. Direct Shear Apparatus 3. Unconfined Compressive Strength Test 4. Three Gang Consolidometer 5. Permeability Apparatus	Total hours - 16 hours 1. Soil Mechanics (4 hours) 2. Minor Project (4 hours) 3. Major Project (4 hours) 4. Community Service Project (4 hours)	Mrs. R. Divya	Lab Assistant	Diploma in Civil Engineering

S. N.	Name of the laboratory	No. of students per setup (Batch Size)	Name of the major equipment	Weekly utilization status (all the courses for which the lab is utilized)	Technical manpower support		
					Name of the Technical staff	Designation	Qualification
3	Environmental Engineering Laboratory	30 (3 Students per Batch)	1. COD Digester 2. Magnetic Steamer 3. Murfal Furnace 4. UV Spectrometer 5. pH Meter 6. Weighing Balance	Total hours - 16 hours 1. Wastewater Treatment and Recycling (4 hours) 2. Minor Project (4 hours) 3. Major Project (4 hours) 4. Community Service Project (4 hours)	Mrs. R. Divya	Lab Assistant	Diploma in Civil Engineering
4	Surveying Laboratory	30 (3 Students per Batch)	1. Theodolite 2. Dumpy Level 3. Chain and Tape Measuring 4. Prism and Reflector 5. Plumb Bob and Spirit Level 6. Plane Table 7. Compass	Total hours - 16 hours 1. Surveying Practical (4 hours) 2. Survey Camp (4 hours) 3. Minor Project (4 hours) 4. Minor Project (4 hours)	Ms. Kurakala Vara lakshmi	Lab Technician	B.E. in Civil Engineering
5	Computer Aided Design and Drafting (CADD) Laboratory	30	1. Desktop Computer (32 Nos), 2. AUTOCADD Software (32 Users) 3. STAAD Pro. Software (30 users) 4. Primavera Software (10 Users)	Total hours - 20 hours 1. Computer Aided Building Drawing (4 hours) 2. Computer Aided Design and Drafting Laboratory (4 hours) 3. Minor Project (4 hours) 4. Major Project (4 hours) 5. Community Service Project (4 hours)	Mr. Balaji	Lab Assistant	B.Tech. in Civil Engineering

S. N.	Name of the laboratory	No. of students per setup (Batch Size)	Name of the major equipment	Weekly utilization status (all the courses for which the lab is utilized)	Technical manpower support		
					Name of the Technical staff	Designation	Qualification
6	Strength of Materials Laboratory	30 (3 Students per Batch)	1. Compression Testing Machine 2. Impact Testing Machine (Charpy/Izod) 3. Brinell and Rockwell Hardness Tester 4. Maxwell Reciprocal Tester	Total hours - 4 hours Strength of Materials (4 hours)	Mr. T. Krishna samy	Lab Assistant	Diploma in Mechanical Engineering
7	Hydraulic Engineering Laboratory	30 (3 Students per Batch)	1. Centrifugal Pump Testing Unit 2. Submerged Jet Apparatus 3. Weir and Notch Calibration Apparatus 4. Turbines 5. Pressure Measurement Devices	Total hours - 4 hours Applied Hydraulics Engineering (4 hours)	Mr. Justice Alivor	Lab Assistant	Diploma in Mechanical Engineering

D2: Safety Measures in Laboratories

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

S. N.	Name of the Laboratory	Safety Measures
1	Concrete Technology Laboratory	<p>Fire extinguisher:</p> <ul style="list-style-type: none"> Installed in laboratories to handle emergency fire situations. Regular inspections and maintenance are conducted to ensure they are in working condition. <p>First-Aid Box:</p> <ul style="list-style-type: none"> A well-equipped first-aid box is available in every laboratory for immediate medical assistance in case of minor injuries or accidents. <p>Electrical Fuses of Correct Rating:</p> <ul style="list-style-type: none"> Proper electrical fuses are installed to prevent short circuits and electrical hazards. Regular checks are conducted to ensure the electrical systems are safe and functional.

S. N.	Name of the Laboratory	Safety Measures
		<p>Proper Uniform and Shoes:</p> <ul style="list-style-type: none"> • Students and staff must wear the prescribed uniform and closed-toe shoes to prevent injuries and maintain hygiene. <p>Hand Gloves:</p> <ul style="list-style-type: none"> • Protective hand gloves must be worn while handling hazardous chemicals or materials to ensure safety. <p>Do's and Don'ts Display:</p> <ul style="list-style-type: none"> • Important safety instructions, Do's and Don'ts, are prominently displayed in each laboratory.
2	Geotechnical Engineering Laboratory	<p>Fire extinguisher:</p> <ul style="list-style-type: none"> • Installed in laboratories to handle emergency fire situations. • Regular inspections and maintenance are conducted to ensure they are in working condition. <p>First-Aid Box:</p> <ul style="list-style-type: none"> • A well-equipped first-aid box is available in every laboratory for immediate medical assistance in case of minor injuries or accidents. <p>Electrical Fuses of Correct Rating:</p> <ul style="list-style-type: none"> • Proper electrical fuses are installed to prevent short circuits and electrical hazards. • Regular checks are conducted to ensure the electrical systems are safe and functional. <p>Proper Uniform and Shoes:</p> <ul style="list-style-type: none"> • Students and staff must wear the prescribed uniform and closed-toe shoes to prevent injuries and maintain hygiene. <p>Hand Gloves:</p> <ul style="list-style-type: none"> • Protective hand gloves must be worn while handling hazardous chemicals or materials to ensure safety. <p>Do's and Don'ts Display:</p> <ul style="list-style-type: none"> • Important safety instructions, Do's and Don'ts, are prominently displayed in each laboratory.
3	Environmental Engineering Laboratory	<p>Fire extinguisher:</p> <ul style="list-style-type: none"> • Installed in laboratories to handle emergency fire situations. • Regular inspections and maintenance are conducted to ensure they are in working condition. <p>First-Aid Box:</p> <ul style="list-style-type: none"> • A well-equipped first-aid box is available in every laboratory for immediate medical assistance in case of minor injuries or accidents. <p>Electrical Fuses of Correct Rating:</p>

S. N.	Name of the Laboratory	Safety Measures
		<ul style="list-style-type: none"> • Proper electrical fuses are installed to prevent short circuits and electrical hazards. • Regular checks are conducted to ensure the electrical systems are safe and functional. <p>Proper Uniform and Shoes:</p> <ul style="list-style-type: none"> • Students and staff must wear the prescribed uniform and closed-toe shoes to prevent injuries and maintain hygiene. <p>Hand Gloves:</p> <ul style="list-style-type: none"> • Protective hand gloves must be worn while handling hazardous chemicals or materials to ensure safety. <p>Do's and Don'ts Display:</p> <ul style="list-style-type: none"> • Important safety instructions, Do's and Don'ts, are prominently displayed in each laboratory.
4	Surveying Laboratory	<p>Fire extinguisher:</p> <ul style="list-style-type: none"> • Installed in laboratories to handle emergency fire situations. • Regular inspections and maintenance are conducted to ensure they are in working condition. <p>First-Aid Box:</p> <ul style="list-style-type: none"> • A well-equipped first-aid box is available in every laboratory for immediate medical assistance in case of minor injuries or accidents. <p>Do's and Don'ts Display:</p> <ul style="list-style-type: none"> • Important safety instructions Do's and Don'ts, are prominently displayed in each laboratory. <p>Proper lab coat must be worn in the laboratories:</p> <ul style="list-style-type: none"> • A proper lab coat must be worn at all times in the laboratory. <p>Usage of caps for students while doing experiments in the field:</p> <ul style="list-style-type: none"> • Students must wear caps while conducting experiments in the field to protect against sun exposure, heat, and other environmental factors.
5	Computer Aided Design and Drafting (CADD) Laboratory	<p>Fire extinguisher:</p> <ul style="list-style-type: none"> • Installed in laboratories to handle emergency fire situations. • Regular inspections and maintenance are conducted to ensure they are in working condition. <p>First-Aid Box:</p> <ul style="list-style-type: none"> • A well-equipped first-aid box is available in every laboratory for immediate medical assistance in case of minor injuries or accidents. <p>Electrical Fuses of Correct Rating:</p>

S. N.	Name of the Laboratory	Safety Measures
		<ul style="list-style-type: none"> • Proper electrical fuses are installed to prevent short circuits and electrical hazards. • Regular checks are conducted to ensure the electrical systems remain safe and functional. Do's and Don'ts Display: <ul style="list-style-type: none"> • Important safety instructions, Do's and Don'ts, are prominently displayed in each laboratory.
6	Applied Engineering Laboratory	Fire extinguisher: <ul style="list-style-type: none"> • Installed in laboratories to handle emergency fire situations. • Regular inspections and maintenance are conducted to ensure they are in working condition. First-Aid Box: <ul style="list-style-type: none"> • A well-equipped first-aid box is available in every laboratory for immediate medical assistance in case of minor injuries or accidents. Electrical Fuses of Correct Rating: <ul style="list-style-type: none"> • Proper electrical fuses are installed to prevent short circuits and electrical hazards. • Regular checks are conducted to ensure the electrical systems are safe and functional. Proper Uniform and Shoes: <ul style="list-style-type: none"> • Students and staff must wear the prescribed uniform and closed-toe shoes to prevent injuries and maintain hygiene. Hand Gloves: <ul style="list-style-type: none"> • Protective hand gloves must be worn while handling hazardous chemicals or materials to ensure safety. Do's and Don'ts Display: <ul style="list-style-type: none"> • Important safety instructions, Do's and Don'ts, are prominently displayed in each laboratory.
7	Strength of Materials Laboratory	Fire extinguisher: <ul style="list-style-type: none"> • Installed in laboratories to handle emergency fire situations. • Regular inspections and maintenance are conducted to ensure they are in working condition. First-Aid Box: <ul style="list-style-type: none"> • A well-equipped first-aid box is available in every laboratory for immediate medical assistance in case of minor injuries or accidents. Electrical Fuses of Correct Rating: <ul style="list-style-type: none"> • Proper electrical fuses are installed to prevent short circuits and electrical hazards. • Regular checks are conducted to ensure the electrical systems are safe and functional.

S. N.	Name of the Laboratory	Safety Measures
		<p>Proper Uniform and Shoes:</p> <ul style="list-style-type: none"> • Students and staff must wear the prescribed uniform and closed-toe shoes to prevent injuries and maintain hygiene. <p>Hand Gloves:</p> <ul style="list-style-type: none"> • Protective hand gloves must be worn while handling hazardous chemicals or materials to ensure safety. <p>Do's and Don'ts Display:</p> <ul style="list-style-type: none"> • Important safety instructions, Do's and Don'ts, are prominently displayed in each laboratory.

D3: Project Laboratory/Research Laboratory

Table No. D3.1: List of project laboratory/research laboratory /Centre of Excellence.

S. N.	Name of the Laboratory
1.	Concrete Technology Laboratory
2.	Geotechnical Engineering Laboratory
3.	Environmental Microbiology Laboratory
4.	Structural Engineering Laboratory
5.	Infrastructure Material Testing Laboratory (IMTC)

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))/RF4
CAY (2024-25)	2550	127	100	134	84.09
CAYm1 (2023-24)	2364	118	95	100	81.36
CAYm2 (2022-23)	2364	118	110	115	94.07

Average Percentage: 86.51

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 CFY (2024-25)	Actual expenses in CFY (2024-25)	Budgeted in CFYm1 (2023-24)	Actual expenses in CFYm1 (2023-24)	Budgeted in CFYm2 (2022-23)	Actual expenses in CFYm2 (2022-23)	Budgeted in CFYm3 (2021-22)	Actual expenses in CFYm3 (2021-22)
Infrastructure Built-Up	24,20,90,292	22,89,67,882	13,22,09,487	10,06,06,240	1,97,26,000	4,28,57,196	17,12,50,000	7,07,94,476
Library	30,36,800	32,02,297	25,44,300	17,22,685	28,23,000	31,11,648	20,00,000	7,95,897
Laboratory equipment	10,50,47,475	6,82,60,540	6,01,89,383	5,82,02,305	3,44,49,388	3,88,24,806	2,93,98,710	1,62,04,114
Lab Expenses	83,55,040	40,34,800	82,94,923	59,32,423	41,84,722	45,15,012	1,09,35,000	16,86,369

Items	Budgeted in CFY (2024-25)	Actual expenses in CFY (2024-25)	Budgeted in CFYm1 (2023- 24)	Actual expenses in CFYm1 (2023-24)	Budgeted in CFYm2 (2022- 23)	Actual expenses in CFYm2 (2022-23)	Budgeted in CFYm3 (2021- 22)	Actual expenses in CFYm3 (2021-22)
Teaching and non-teaching staff salary	1,09,19,53,197	1,06,16,60,484	92,16,41,470	85,43,93,947	74,85,28,658	74,03,75,519	55,19,25,000	56,45,31,133
Maintenance and spares	11,76,87,345	13,56,76,508	9,62,76,496	10,18,04,689	3,65,00,000	7,25,85,214	4,94,48,588	3,33,46,833
R&D	2,07,20,000	1,42,39,393	1,08,29,910	66,36,901	1,03,00,000	36,82,229	1,34,60,000	39,59,924
Training, Placement and Industry linkage	1,13,10,000	1,13,70,699	92,04,000	45,41,257	1,36,95,000	67,40,606	1,66,40,000	33,40,598
Others	93,97,99,851	86,41,54,582	75,04,28,857	70,21,04,959	71,16,19,522	63,05,29,147	1,10,71,26,524	46,61,33,546
Total amount	2,54,00,00,000	2,39,15,67,185	1,99,16,18,826	1,83,59,45,406	1,58,18,26,290	1,54,32,21,378	1,95,21,83,822	1,16,07,92,890

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 CFY (2024-25)	Actual expenses in CFY (2024-25)	Budgeted in CFYm1 (2023- 24)	Actual expenses in CFYm1 (2023-24)	Budgeted in CFYm2 (2022- 23)	Actual expenses in CFYm2 (2022-23)	Budgeted in CFYm3 (2021- 22)	Actual expenses in CFYm3 (2021-22)
Laboratory equipment	-	-	35,000	30,680	6,05,000	6,04,708	-	-
Software	-	-	-	-	-	-	4,50,000	4,09,500
Support for faculty development	5,50,000	3,28,025	5,50,000	5,26,069	2,10,000	2,00,013	60,000	55,843

Items	Budgeted in CFY (2024-25)	Actual expenses in CFY (2024-25)	Budgeted in CFYm1 (2023- 24)	Actual expenses in CFYm1 (2023-24)	Budgeted in CFYm2 (2022- 23)	Actual expenses in CFYm2 (2022-23)	Budgeted in CFYm3 (2021- 22)	Actual expenses in CFYm3 (2021-22)
R & D	4,50,000	4,30,397	3,00,000	2,70,580	2,50,000	2,31,846	-	-
Industrial Training, Industry expert, Internship	2,00,000	-	2,00,000	1,45,161	2,50,000	2,44,858	15,000	13,000
Miscellaneous expenses (Salary and Others)	2,10,00,000	2,08,75,054	2,10,00,000	2,04,52,583	2,10,00,000	2,06,25,037	1,85,00,000	1,79,34,963
Total amount	2,22,00,000	2,16,33,476	2,20,85,000	2,14,25,074	2,23,15,000	2,19,06,462	1,90,25,000	1,84,13,306