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: 12086	**Date of Submission**: 10-09-2026

PART A- Profile of the Institute

A1.Name of the Institute: SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 1998	Location of the Institute: COIMBATORE
A2. Institute Address:SUGUNAPURAM KUNIAMUTHUR POST	
City:COIMBATORE	State:Tamil Nadu
Pin Code:641008	Website:www.skcet.ac.in
Email:INFO@SKCET.AC.IN	Phone No(with STD Code):0422-2678001
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Anna University, Chennai	City: Chennai
State : Tamil Nadu	Pin Code: 600025
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **13**
- No. of PG programs: **7**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	PG	Applied Electronics	2011	2026	Electronics and Communication Engineering
2	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Artificial Intelligence and Data Science
3	Engineering & Technology	UG	Civil Engineering	2012	--	Civil Engineering
4	Engineering & Technology	PG	Computer Science & Engineering (Integrated)	2019	--	Computer Science and Engineering
5	Engineering & Technology	UG	Computer Science and Business System	2019	--	Computer Science and Business System
6	Engineering & Technology	UG	Computer Science and Design	2022	2025	Computer Science and Design
7	Engineering & Technology	PG	Computer Science and Engineering	2004	--	Computer Science and Engineering
8	Engineering & Technology	UG	Computer Science and Engineering	1998	--	Computer Science and Engineering

9	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2025	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
10	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2022	--	Computer Science and Engineering (Cyber Security)
11	Engineering & Technology	UG	Computer Science and Engineering (Internet of Things)	2025	2026	Computer Science and Engineering (Internet of Things)
12	Engineering & Technology	UG	Electrical and Electronics Engineering	2001	--	Electrical and Electronics Engineering
13	Engineering & Technology	UG	Electronics & Communication Engineering	1998	--	Electronics and Communication Engineering
14	Engineering & Technology	PG	Engineering Design	2012	2026	Mechanical Engineering
15	Engineering & Technology	UG	Information Technology	1998	--	Information Technology
16	Engineering & Technology	UG	Mechanical Engineering	1998	--	Mechanical Engineering
17	Engineering & Technology	UG	Mechatronics Engineering	2000	--	Mechatronics Engineering
18	Engineering & Technology	PG	Power Systems Engineering	2025	2026	Electrical and Electronics Engineering
19	Engineering & Technology	PG	Structural Engineering	2025	--	Civil Engineering
20	Management	PG	Master of Business Administration	2001	--	Management

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Civil Engineering	No	Civil Engineering	UG

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.
Cluster ID. Name of the Department (in table no. A7.1) Name of allied Departments/Cluster (for table no. A7.1)

No Record

PART-B: Program information

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

Table No. B1: Program details.
A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Civil Engineering	UG	2012 / --	60	Yes	2025	129	2025	AICTE - F. No. Southern/ 1-44641922094/2025/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	2	4

Sanctioned Intake for Last Five Years for the Structural Engineering	
Academic Year	**Sanctioned Intake**
2025-26	129
2024-25	69
2023-24	69
2022-23	69
2021-22	60
2020-21	60

List of the Allied Departments/Cluster and Programs:

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

A. Name of the HoD :	Dr. V. Sreevidya
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)	129	69	69	69	60	60	60
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	129	68	69	64	41	53	53
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	6	3	9	15	10	3
N3=Separate division if any	6	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.	135	74	72	73	56	63	56

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)	129	129	0	100.00
2024-25 (CAYm1)	69	68	0	98.55
2023-24 (CAYm2)	69	69	0	100.00

Average [(ER1 + ER2 + ER3) / 3] = 99.52≡ 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).	66.00	66.00	63.00
B=No. of students who graduated from the program in the stipulated course duration	43.00	47.00	56.00

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 75.08

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)	7.54	7.59	7.40
Y=Total no. of successful students	67.00	69.00	61.00
Z=Total no. of students appeared in the examination	68.00	69.00	61.00
API [X*(Y/Z)]	7.43	7.59	7.40

Average API[(AP1+AP2+AP3)/3] : 7.47

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)	7.68	7.40	7.20
Y=Total no. of successful students	72.00	70.00	52.00
Z=Total no. of students appeared in the examination	73.00	71.00	55.00
API [X * (Y/Z)]	7.57	7.30	6.81

Average API [(AP1 + AP2 + AP3)/3] : 7.23

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)	7.43	7.28	7.68
Y=Total no. of successful students	69.00	52.00	62.00
Z=Total no. of students appeared in the examination	70.00	52.00	62.00
API [X*(Y/Z)]:	7.32	7.28	7.68

Average API [(AP1 + AP2 + AP3)/3] : 7.43

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	66.00	66.00	63.00
X=No. of students placed	41.00	38.00	33.00
Y=No. of students admitted to higher studies	5.00	17.00	17.00
Z= No. of students taking up entrepreneurship	6.00	5.00	4.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	78.79	90.91	85.71

Average Placement Index = (P_1 + P_2 + P_3)/3: 85.14 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

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

C1. Faculty details of Department and Allied Departments

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

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr. V. Sreevidya	XXXXXXX38H	Ph.D	Anna University	Structural Engineering	12/06/2025	1.1	Professor	Professor	12/06/2025	Regular	Yes		Yes
2	Dr. D. Maruthachalam	XXXXXXX00Q	Ph.D	Anna University	Structural Engineering	22/04/2013	13.3	Associate Professor	Professor	02/05/2013	Regular	Yes		No
3	Dr. G. Manjula	XXXXXXX00N	Ph.D	Anna University	Environmental Engineering	13/05/2024	2.2	Associate Professor	Professor	02/05/2026	Regular	Yes		No
4	Dr. S. Ramakrishnan	XXXXXXX03J	Ph.D	Anna University	Infrastructure Engineering	03/06/2020	6.1	Associate Professor	Associate Professor	03/06/2020	Regular	Yes		No
5	Dr. R. Chandra Devi	XXXXXXX77G	Ph.D	Anna University	Rock Engineering and Underground Structures	16/06/2021	5.1	Associate Professor	Associate Professor	16/06/2021	Regular	Yes		No

6	Dr. P. Subashree	XXXXXXX79R	Ph.D	Anna University	Structural Engineering	01/07/2025	1	Associate Professor	Associate Professor	01/07/2025	Regular	Yes		No
7	Dr. V. Sathish Kumar	XXXXXXX07D	Ph.D	Anna University	Infrastructure Engineering	01/07/2025	1.1	Associate Professor	Associate Professor	01/07/2025	Regular	Yes		No
8	Dr. N. Shanmuganathan	XXXXXXX35H	Ph.D	Anna University	Construction Engineering & Management	01/07/2025	1.1	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Dr. S. Sadheesh	XXXXXXX80D	Ph.D	Anna University	Environmental Engineering	04/06/2018	8.1	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Dr. N. Shanmugasundaram	XXXXXXX61P	Ph.D	Anna University	Structural Engineering	01/07/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Dr. N. Jothi Lakshmi	XXXXXXX42J	Ph.D	Anna University	Environmental Management	01/07/2025	1.1	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Dr. S. Deepika	XXXXXXX09C	Ph.D	Anna University	Construction Engineering and Management	09/06/2025	1.1	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Dr. K. Vedhasakthi	XXXXXXX18K	Ph.D	Anna University	Structural Engineering	01/07/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Dr. G. Selina Ruby	XXXXXXX44F	Ph.D	Anna University	Structural Engineering	01/07/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Dr. G. Jaya Kumar	XXXXXXX96C	Ph.D	Karunya Institute of Technology and Sciences	Structural Engineering	01/07/2025	1.1	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Dr. N. K. Karthikeyan	XXXXXXX00D	Ph.D	Vellore Institute of Technology	Structural Engineering	09/06/2025	1.2	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Dr. R. Sakthivel	XXXXXXX88M	Ph.D	Anna University	Structural Engineering	09/06/2025	1.1	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mr. S. C. Boobalan	XXXXXXX83C	M.E.	Anna University	Structural Engineering	02/06/2015	11.2	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Ms. G. Preethi	XXXXXXX49B	M.E.	Anna University	Environmental Engineering	22/05/2017	9.2	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Ms. R. Hemavathi	XXXXXXX80P	M.E.	Anna University	Construction Management	04/07/2022	4	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Mr. S. Selvakumar	XXXXXXX19M	M.E.	Anna University	Structural Engineering	04/07/2022	4	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Mr. K.M. Manoj	XXXXXXX16K	M.E.	Anna University	Environmental Engineering and Management	01/07/2025	1.1	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Dr. S. Bhagavathi Perumal	XXXXXXX80J	Ph.D	Anna University	Environmental Engineering	17/06/2024	0.11	Professor	Professor	17/06/2024	Regular	No	11/06/2025	No

24	Dr. P. Muthupriya	XXXXXXX19K	Ph.D	Anna University	Structural Engineering	02/07/2024	0.10	Professor	Professor	02/07/2024	Regular	No	30/05/2025	No
25	Dr. P. Saravanakumar	XXXXXXX96A	Ph.D	SASTRA Deemed University	Structural Engineering	22/05/2017	8.1	Associate Professor	Professor	01/09/2018	Regular	No	30/06/2025	No
26	Dr. V. Yogeshwaran	XXXXXXX28L	Ph.D	Anna University	Environmental Engineering	04/06/2018	5.11	Assistant Professor	Assistant Professor		Regular	No	30/05/2024	No
27	Dr. M.R. Ezhilkumar	XXXXXXX49L	Ph.D	Anna University	Environmental Management	03/06/2019	4.11	Assistant Professor	Assistant Professor		Regular	No	30/05/2024	No
28	Dr. A. Surendranath	XXXXXXX58B	Ph.D	Malaviya National Institute of Technology, Jaipur	Structural Engineering	02/05/2024	1	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
29	Mr. A. Jesudass	XXXXXXX05N	M.E.	Anna University	Structural Engineering	01/06/2015	10	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
30	Ms. S. Vaishnavi Devi	XXXXXXX80H	M.E.	Anna University	Infrastructure Engineering & Management	22/05/2017	8	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
31	Mr. R. Vighnesh	XXXXXXX66Q	M.E.	Amrita Vishwa Vidyapeetham	Structural and Construction Engineering	02/06/2016	8.11	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No

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

C2. Student-Faculty Ratio (SFR)

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

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

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	75	72	75

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.C	72	75	66
UG1.D	75	66	66
UG1: Civil Engineering	**222**	**213**	**207**
PG1.A	24	0	0
PG1.B	0	0	0
PG1: Structural Engineering	**24**	**0**	**0**
DS=Total no. of students in all UG and PG programs in the Department	246	213	207
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=** 246	**S2=** 213	**S3=** 207
DF=Total no. of faculty members in the Department	22	16	14
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=** 22	**F2=** 16	**F3=** 14
FF=The faculty members in F who have a 100% teaching load in the first-year courses	3	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 11.71**	**SFR2= 12.53**	**SFR3= 15.92**
Average SFR for 3 years	**SFR= 13.39**		

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)	16	8	12.00	40.00
2024-25(CAYm1)	9	9	10.00	31.50
2023-24(CAYm2)	6	8	10.00	23.00

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3

2025-26	1.00	2.00	3.00	5.00	8.00	15.00
2024-25	1.00	4.00	2.00	3.00	7.00	9.00
2023-24	1.00	2.00	2.00	2.00	7.00	10.00
Average	RF1=1.00	AF1=2.67	RF2=2.33	AF2=3.33	RF2=7.33	AF2=11.33

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.S.Chandanamurugan	Managing Partner	Conceptual Designer	Design of Reinforced Concrete Structures	38.00
2	Mr. M. Aswinth	Managing Director	Ayan Associates, Consultants and Constructions	Solid Mechanics	20.00
3	Mr.S.Chandanamurugan	Managing Partner	Conceptual Designer	Structural Analysis	20.00
4	Mr. M. Aswinth	Managing Director	Ayan Associates, Consultants and Constructions	Design of Steel Structures	34.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Yedu Krishnan	Chief Engineer	Brother's Construction Company	Mechanics of Materials	30.00
2	Mr. Yedu Krishnan	Chief Engineer	Brother's Construction Company	Construction Cost Estimation and Valuation	34.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. R. Suresh Babu	Managing Partner	PTK - Architects	Construction Materials and Techniques	25.00
2	Dr. R. Suresh Babu	Managing Partner	PTK - Architects	Engineering Geology and Concrete Technology	28.00

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	18	9	11
2	No. of peer reviewed conference papers published	8	6	8
3	No. of books/book chapters published	2	5	2

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. P. Muthupuriya		Civil Engineering	Use of E-waste and Glass Powder in Concrete for Sustainable Development	Tamil Nadu State Council for Science and Technology (TNSCST)	6 Months	0.08
Dr. S. Sadheesh		Civil Engineering	Designing a Small Scale Solar Powered Desalination Unit	Tamil Nadu State Council for Science and Technology (TNSCST)	6 Months	0.08
Dr. G. Manjula		Civil Engineering	Performance evaluation and optimization of an industrial water treatment system	Best Innovation Pvt. Ltd., Malumichampatti, Coimabtore	1 Year	2.23
Dr. S. Ramakrishnan		Civil Engineering	Development of Sustainable Bricks Incorporating Fly Ash, GGBS, Marble Waste and Quarry Dust	ARKA BRICKS, Tiruchengode, Namakkal	1 Year	2.74
Dr. S. Sadheesh		Civil Engineering	Sustainable Management of End-of-Life Solar PV Waste Using Material Recovery and Environmental Risk Assessment	Omega Solar, Coimbatore	1 Year	1.95
						Amount received (Rs.):7.08

(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. R. Chandra Devi		Civil Engineering	Self Healing Geopolymer Concrete with Utilization of Construction and Demolition Waste	TNSDC Naan Mudhalvan - Niral Thiruvizha 2024	6 Months	0.10
Dr. R. Chandra Devi		Civil Engineering	C & D wasted - sustainable canal lining to prevent seepage to healste and Quarry Dust	Tamil Nadu State Council for Science and Technology (TNSCST)	6 Months	0.08
Dr. M. R. Ezhilkumar		Civil Engineering	Utilization of Waste Foundry Sand as Partial Replacement of Fine Aggregate in Concrete	Sri Deivam Foundry, Peelamedu, Coimbatore	1 Year	2.46
Dr. P. Saravanakumar		Civil Engineering	Investigation of concrete performance using iron slag and development of Low-Carbon Concrete Using Alternative Cementitious Materials	VR Foundries - Grey Iron And SG Iron Castings Manufacturer & Supplier, Peelamedu, Coimbatore	1 Year	3.60
						Amount received (Rs.):6.24

(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. R. Chandra Devi		Civil Engineering	Geotechnical Investigation and Slope Stability Analysis at Ooty	Globus Arima Builders, Coimbatore	3 years	6.42
Mr. S. C. Boobalan		Civil Engineering	Engineering Performance of Recycled Construction and Demolition Waste for Road Subgrade Applications	RS BUILDTECH, Milekal, Coimbatore	1 Year	1.82
Dr. D. Maruthachalam		Civil Engineering	ATAL Tunnel Visit	AICTE - YUVAK Scheme	1 Year	2.00
						Amount received (Rs.):10.24

Total Amount (Lacs) Received for the Past 3 Years: 23.56

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
Mr. R. Vighnesh		Civil Engineering	Third Party Inspection of Park development KNMT Scheme	Palladam Municipality	22.06.2024 to 24.06.2024	0.29
Mr. R. Vighnesh		Civil Engineering	Third Party Inspection of Park development KNMT Scheme	Palladam Municipality	22.06.24 to 24.06.2024	0.10
Mr. S. C. Boobalan		Civil Engineering	Compressive Strength of Concrete Cubes	Tiruppur City Municipal Corporation	05.07.2024 to 23.12.2024	0.01
Mr. S. C. Boobalan		Civil Engineering	TURIP - PHASE-| -(2023-24) Package No. 21	Tiruppur City Municipal Corporation	16.09.2024 to 16.11.2024	0.14
Mr. S. C. Boobalan		Civil Engineering	NSMT 2024-25 — Package No. 09	Tiruppur City Municipal Corporation	20.09.2024 to 02.10.2024	0.14
Mr. S. C. Boobalan		Civil Engineering	15th CFC Fund (2023-24) — Package No. 21	Tiruppur City Municipal Corporation	20.09.2024 to 10.10.2024	0.14
Mr. S. C. Boobalan		Civil Engineering	SFC (2024-25) Package No. 40	Tiruppur City Municipal Corporation	21.09.2024 to 15.10.2024	0.14
Mr. S. C. Boobalan		Civil Engineering	TRUIP (2024-25) Package No. 17	Tiruppur City Municipal Corporation	21.09.2024 to 16.10.2024	0.14
Mr. S. C. Boobalan		Civil Engineering	SFC (2024-25) Package No. 44	Tiruppur City Municipal Corporation	21.09.2024 to 28.10.2024	0.14
Mr. S. C. Boobalan		Civil Engineering	SFC - (2024-25) Package No. 42	Tiruppur City Municipal Corporation	21.09.2024 to 28.10.2024	0.14
Mr. S. C. Boobalan		Civil Engineering	NSMT (2024 - 25) Package No. 14	Tiruppur City Municipal Corporation	21.09.2024 to 28.10.2024	0.14
Mr. R. Vighnesh		Civil Engineering	Third Party Inspection of Primary Health Centre	Palladam Municipality	22.09.2024 to 26.09.2024	0.35
Mr. R. Vighnesh		Civil Engineering	Third Party Inspection of Daily Market	Palladam Municipality	22.09.2024 to 26.09.2024	0.40
Mr. R. Vighnesh		Civil Engineering	Third Party Inspection of Two wheeler Parking	Palladam Municipality	22.09.2024 to 26.09.2024	0.20
Mr. S. C. Boobalan		Civil Engineering	Cube testing, Material Testing	M/S MCS Construction	02.10.2024 to 04.10.2024	0.93
Mr. R. Vighnesh		Civil Engineering	Third party Inspection of Roads	Gudalur Municipality	3.10.2024 to 07.10.2024	0.89
Mr. S. C. Boobalan		Civil Engineering	Compressive Strength of Concrete Cubes	Tiruppur City Municipal Corporation	03.10.2024 to 16.11.2024	0.03
Mr. S. C. Boobalan		Civil Engineering	Compressive Strength of Concrete Cubes	Tiruppur City Municipal Corporation	10.10.2024	0.02
Mr. S. C. Boobalan		Civil Engineering	Compressive Strength of Concrete Cubes	Tiruppur City Municipal Corporation	10.10.2024	0.02
Mr. S. C. Boobalan		Civil Engineering	Compressive Strength of Concrete Cubes	Tiruppur City Municipal Corporation	10.10.2024	0.02
Mr. S. C. Boobalan		Civil Engineering	Concrete Cube and TMT Bars Testing	Coimbatore Corporation	25.10.2024	0.10

Mr. S. C. Boobalan		Civil Engineering	Compressive Strength of Concrete Cubes	Tiruppur City Municipal Corporation	24.10.2024 to 23.12.2024	0.02
Mr. S. C. Boobalan		Civil Engineering	NSMT (2023-24) – Package No.08	Tiruppur City Municipal Corporation	30.10.2024 to 23.12.2024	0.10
Mr. S. C. Boobalan		Civil Engineering	SFC (2024-25) Package No. 25	Tiruppur City Municipal Corporation	11.11.2024 to 24.12.2024	0.10
Mr. R. Vighnesh		Civil Engineering	Material Testing	Mr.Elango, Vadavalli	25.11.2024 to 26.11.2024	0.02
Mr. S. C. Boobalan		Civil Engineering	NSMT (2023-24) Phase II – Package No.04	Tiruppur City Municipal Corporation	29.11.2024 to 23.12.2024	0.10
Dr. S. Ramakrishnan		Civil Engineering	Bituminous Road Layout Inspection and Materials Testing	Mohan, Landowner of Residential Layout, S.F. No. 280/3B2	08.12.2024 to 12.12.2024	0.19
Mr. S. C. Boobalan		Civil Engineering	Materials Testing	Tiruppur City Municipal Corporation	24.12.2024	0.12
Mr. S. C. Boobalan		Civil Engineering	Cube testing, Material Testing	M/S MCS Construction	04.01.2025 to 17.02.2025	1.00
Mr. S. C. Boobalan		Civil Engineering	Cube testing, Material Testing	Rani Nithya Associates	02.02.2025 to 27.02.2025	0.29
Mr. S. C. Boobalan		Civil Engineering	Third Party Road Inspection - Package No. 8,12,13,14,27	Tiruppur City Municipal Corporation	06.01.2025	0.38
						Amount received (Rs.):6.80

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. S. Ramakrishnan		Civil Engineering	Cube testing	M/S MCS Construction	24.07.2023 to 27.07.2023	0.11
Mr. S. Sadheesh		Civil Engineering	Third Party Inspection of roads	Madukkarai Municipal Corporation	27.07.2023 to 24.04.2024	3.19
Mr. R. Vighnesh		Civil Engineering	Precast Paver Blocks Testing	Griipcon Pavers and Tiles	08.08.2023	0.01
Dr. S. Ramakrishnan		Civil Engineering	Cube testing	M/S MCS Construction	02.10.2023 to 07.10.2023	0.14
Dr. S. Ramakrishnan		Civil Engineering	Cube testing	M/S MCS Construction	07.10.2023 to 19.10.2023	0.25
Dr. S. Ramakrishnan		Civil Engineering	Cube testing	M/S MCS Construction	21.10.2023 to 27.11.2023	0.34
Dr. S. Ramakrishnan		Civil Engineering	Cube testing	M/S MCS Construction	22.11.2023 27.11.2023	0.25
Mr. S. C. Boobalan		Civil Engineering	Solid Block Testing	Sai Solid Blocks, Malumichampatti, Coimbatore	15.12.2023	0.02
Mr. R. Vighnesh		Civil Engineering	Precast Paver Blocks Testing	Griipcon Pavers and Tiles	09.01.2023	0.01
Dr. S. Ramakrishnan		Civil Engineering	Examine Road Network and Material Testing	Coimbatore Corporation - West Zone	15.02.2024	0.50
Dr. S. Ramakrishnan		Civil Engineering	Examine Road Network and Material Testing	Coimbatore Corporation - East Zone	16.02.2024	0.26
Dr. S. Ramakrishnan		Civil Engineering	Cube testing	M/S MCS Construction	18.12.2023	0.60
Dr. S. Ramakrishnan		Civil Engineering	Cube testing	M/S MCS Construction	25.01.2024 to 01.02.2024	0.27
Ms. R. Hemavathi		Civil Engineering	Stone testing	M/S Shine Builders	14.02.2024	0.02
Dr. S. Ramakrishnan		Civil Engineering	Cube testing	M/S MCS Construction	09.04.2023 to 14.04.2023	0.57
Mr. R. Vighnesh		Civil Engineering	Bitumen Percentage and Sieve Analysis	Dhaliyur Town Panchayat	24.04.2024	0.24
Dr. S. Ramakrishnan		Civil Engineering	Examine Road Network and Material Testing	Coimbatore Corporation - South Zone	03.05.2024	0.29
Mr. S. Sadheesh		Civil Engineering	Third Party Inspection of Rejuvenation of Pond	Palladam Municipality	03.05.2024 to 23.05.2024	0.30
Mr. S. Sadheesh		Civil Engineering	Third Party Inspection of roads	Tiruppur Municipal Corporation SFC (2024-25) Package 45	13.05.2024	0.14
Mr. R. Vighnesh		Civil Engineering	Cube, Cement, Metal and Rods Testing	Thondamuthur Panchayat Road Works	20.05.2024	0.19
Mr. R. Vighnesh		Civil Engineering	Bitumen Percentage and Sieve Analysis	Thondamuttur Town Panchayat	24.05.2024	0.14
						Amount received (Rs.):7.84

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. S. C. Boobalan		Civil Engineering	Concrete Cube and Reinforcement Testing	Anil R Joshi, Civil Contractor	17.08.2022	0.11
Mr. R. Vighnesh		Civil Engineering	Mix Design	Sri Vijayabarathi Associates	12.10.2022	1.20
Mr. R. Vighnesh		Civil Engineering	Mix Design	Sri Gughan Builders Pvt Ltd	25.10.2022	0.90
Mr. R. Vighnesh		Civil Engineering	Mix Design	Ascent Engineers & Infrastructures India Pvt., Chennai	02.11.2022	1.20
Mr. S. C. Boobalan		Civil Engineering	Mix Design	Sri Vijayabarathi Associates	04.12.2022	1.20
Mr. S. C. Boobalan		Civil Engineering	Concrete Cube and Reinforcement Testing	Girish Krishnan, Kovaipudur	06.12.2022	0.11
Mr. R. Vighnesh		Civil Engineering	Mix Design	Sri Vijayabarathi Associates	15.12.2022	0.90
Mr. R. Vighnesh		Civil Engineering	Mix Design	Sri Gughan Builders Pvt Ltd	04.02.2023	0.87
Dr. R. Chandra Devi		Civil Engineering	Soil and Brick Samples Testing	KVS Company, Bodinayakanur	18.04.2023	0.03
Dr. R. Chandra Devi		Civil Engineering	Soil and Brick Samples Testing	KVS Company, Bodinayakanur	18.05.2023	0.03
						Amount received (Rs.):6.55

Total amount (Lacs) received for the past 3 years: 21.19

Note*:

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

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

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

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. S. Ramakrishnan	IoT-Based Intelligent Drainage System with Predictive Overflow and Blockage Detection	1	1.07	1.07	Patent Publication
Dr. G. Manjula	Smart irrigation using solar energy with rainwater harvesting	1	1.12	1.12	Model Developement
			Amount received (Rs.): 2.19		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr. S. C. Boobalan	Eco-friendly Cement Mortar Mixes with Partial Alccofine Replacement	1	1.23	1.23	Paper Publication
Mr. S. Sadheesh	Direct air capture technology for removal for air pollutants	1	0.87	0.87	Model Development
			Amount received (Rs.): 2.10		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr. R. Vighnesh	Influence of bacteria megaterium on strength and durability properties of concrete with metakaolin	1	0.97	0.97	Paper Publication
Dr. S. Ramakrishnan	Self-healing Concrete Using Bacteria and Silica gel	1	1.16	1.16	Paper Publication
			Amount received (Rs.): 2.13		

Total amount (Lacs) received for the past 3 years : 6.42

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	Concrete Laboratory	3	Compression Testing Machine	18Hrs / Week	Mr.F.Joseph Stanley	Lab Technician	B.E
2	Highway Engineering Laboratory	3	Ductility Testing Machine	12 Hrs / Week	Mr.F.Joseph Stanley	Lab Technician	B.E
3	Soil Mechanics Laboratory	3	Tri-axial Shear Apparatus	12 Hrs / Week	Mr.J. Naveen Yesu Arokia	Lab Technician	B.E
4	Surveying Laboratory	3	Pentax Total Station	06 Hrs / Week	Mr.J. Naveen Yesu Arokia	Lab Technician	B.E
5	Environmental Engineering Laboratory	3	Flame Photometer	12 Hrs / Week	Mr.F.Joseph Stanley	Lab Technician	B.E
6	Fluid Mechanics and Hydraulics Machinery Laboratory	3	Centrifugal Pump	6 Hrs / Week	Mr. R. Prakash	Lab Technician	B.E

7	Strength of Materials Laboratory	3	Universal Testing Machine (with 1000KN)	12 Hrs / Week	Mr. R. Prakash	Lab Technician	B.E
8	CADD Laboratory	1	Autodesk, Bentley Software	18 Hrs / Week	Mr. Nadhakrishnan	Lab Technician	B.S.C

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Concrete Laboratory	1. Do not operate concrete mixers, compression testing machines, other equipment or machinery without proper training and authorization. 2. Handle cement, aggregates, admixtures, and concrete specimens carefully to avoid injury or exposure to dust or chemicals. 3. Take care while handling heavy concrete cubes, cylinders, moulds, and other specimens. 4. Clean cement, concrete, and water spills immediately to prevent slipping hazards. 5. Keep electrical equipment and electrical connections away from water and wet surfaces. 6. Use appropriate PPE such as gloves, safety goggles, masks, and safety shoes when required. 7. Wear appropriate laboratory attire and safety footwear. 8. Tie back long hair and secure loose clothing and jewellery. 9. Food and beverages are strictly prohibited inside the laboratory. 10. Keep exits, fire extinguishers, electrical disconnects, eyewash stations, and safety showers accessible.
2	Highway Engineering Laboratory	1. Handle bitumen, asphalt, aggregates, soil, and other highway materials carefully. 2. Use heat-resistant gloves and suitable PPE when handling hot bitumen or heated materials. 3. Take care while operating ovens, heating equipment, sieves, mixers, compaction equipment, and testing machines. 4. Allow heated materials and equipment to cool before handling or cleaning. 5. Ensure proper ventilation while heating bitumen or conducting tests generating fumes. 6. Store flammable and combustible materials away from heat sources. 7. Clean bitumen, oil, water, aggregate, and other spills immediately. 8. Operate equipment only after proper training and authorization. 9. Keep aisles and working areas clear. 10. Wear appropriate laboratory attire, safety shoes, gloves, and safety goggles. 11. Tie back long hair and secure loose clothing and jewellery. 12. Food and beverages are prohibited inside the laboratory. 13. Keep emergency exits, fire extinguishers, electrical disconnects, and safety facilities accessible.
3	Soil Mechanics Laboratory	1. Handle soil samples, containers, moulds, weights, and testing accessories carefully. 2. Take extra care while operating consolidation, shear, compaction, permeability, and other soil-testing equipment. 3. Ensure heavy weights and loading arrangements are properly positioned before testing. 4. Do not place hands or body parts near moving or loaded machine components. 5. Wear safety shoes while handling heavy weights and testing equipment. 6. Review hazards associated with materials and machinery before each test. 7. Keep floors, worktables, and walkways clean and free from soil, water, and obstructions. 8. Identify emergency exits and emergency contact locations before commencing work. 9. Report equipment damage, injury, malfunction, or unsafe conditions immediately.
4	Surveying Laboratory	1. Handle total stations, theodolites, auto levels, dumpy levels, GPS equipment, and other instruments carefully. 2. Transport instruments using appropriate protective cases. 3. Never direct a laser beam toward the eyes. 4. Maintain laser beams at or below chest level wherever applicable. 5. Ensure tripods and instruments are securely positioned before measurements. 6. Wear helmets during field surveying activities wherever required. 7. Take precautions while working near roads, construction sites, slopes, traffic, or other field hazards. 8. Remain adequately hydrated during outdoor surveying activities, particularly in hot weather. 9. Wear appropriate laboratory and field-work attire. 10. Open-toed footwear is prohibited during surveying activities. 11. Do not wear loose clothing or unsecured accessories while operating instruments. 12. Secure jewellery and tie back long hair. 13. Report any accident, injury, instrument damage, or unsafe condition immediately.
5	Environmental Engineering Laboratory	1. Handle chemicals, reagents, wastewater samples, and laboratory materials carefully. 2. Do not taste, directly smell, or unnecessarily touch chemicals or samples. 3. Clearly label chemicals, prepared solutions, and sample containers. 4. In case of chemical contact with eyes or skin, immediately flush with running water for at least 20 minutes and seek appropriate medical assistance. 5. Use flames only for the required duration and extinguish them immediately after use. 6. Remove flammable materials before using a flame. 7. Handle glassware carefully and inspect for cracks or damage before use. 8. Store and dispose of chemicals, glassware, samples, and equipment according to approved procedures. 9. Ensure adequate ventilation when handling chemicals or conducting experiments generating fumes or gases. 10. Wear appropriate eye protection when working with compressed gases. 11. Wear laboratory coat, gloves, safety goggles, and safety shoes as required. 12. Keep work surfaces clean and wash hands after experiments. 13. Report chemical spills, equipment malfunction, injury, or hazards immediately.

6	CADD Laboratory	1. Follow faculty/laboratory technician instructions while using computers and equipment. 2. Keep liquids and foreign objects away from computers and electrical equipment. 3. Do not place liquids near computers, monitors, keyboards, or electrical connections. 4. Keep electrical cables properly insulated, arranged, and free from entanglement. 5. Do not pull, bend excessively, or tamper with electrical cables and connections. 6. Use the prescribed system shutdown procedure. 7. Do not repair, install, modify, or troubleshoot computer systems without authorization. 8. Do not install unauthorized software. 9. Do not use unauthorized external storage devices. 10. Do not change computer configurations or security settings without permission. 11. Ensure adequate ventilation around computer systems. 12. Maintain proper seating posture and an organized workstation. 13. Keep tables, floors, and access pathways clean and unobstructed. 14. Report hardware, software, electrical, or network problems to authorized technical personnel.
7	Fluid Mechanics and Hydraulics Machinery Laboratory	1. Handle hydraulic equipment, pumps, valves, pipes, gauges, and measuring devices carefully. 2. Do not operate pumps, turbines, flumes, or hydraulic machinery without proper instruction and authorization. 3. Check connections, valves, hoses, and fittings before starting experiments. 4. Monitor water levels to prevent overflow. 5. Maintain a safe distance from moving machinery, rotating components, and pressurized water connections. 6. Keep the laboratory floor dry. 7. Clean water spills immediately to prevent slipping and falling accidents. 8. Keep electrical equipment and connections away from water. 9. Switch off equipment and safely close the water supply after experiments. 10. Use only appropriate tools specified by the instructor/technician. 11. Keep tools clean and properly maintained. 12. Do not carry tools in pockets or throw tools after use. 13. Report injury, equipment malfunction, leakage, or unsafe conditions immediately.
8	Strength of Materials Laboratory	1. Check specimens, grips, supports, loading arrangements, and machine components before testing. 2. Ensure specimens are properly positioned and securely fixed before applying load. 3. Keep hands and body parts away from moving components and loaded specimens. 4. Maintain a safe distance during loading and specimen failure. 5. Never exceed the specified machine capacity. 6. Operate hydraulic, compression, tension, bending, torsion, and other machines only after proper training. 7. Do not leave a loaded testing machine unattended unless permitted. 8. Wear safety shoes while handling heavy weights and specimens. 9. Use safety goggles and gloves wherever required. 10. Wear appropriate laboratory attire and follow faculty/technician instructions. 11. Keep the floor and working area clean and free from obstacles. 12. Report equipment malfunction, oil leakage, damaged specimen holders, spills, or hazards immediately. 13. Report any injury immediately to laboratory staff.

D3. Project Laboratory/Research Laboratory

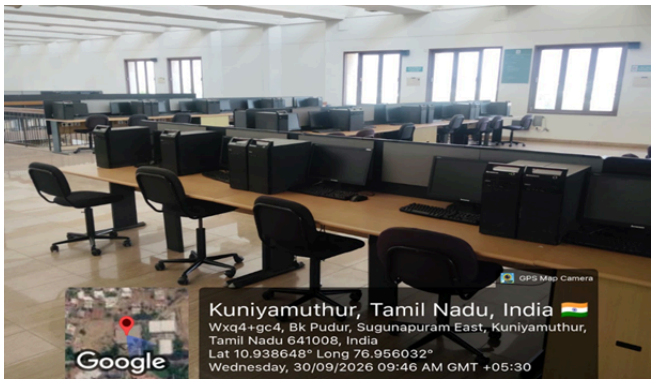
The Department maintains a Project Laboratory, Research Laboratory, Centre of Excellence with adequate facilities to support students undertaking project design, modelling and experimental work in civil engineering. Several successful student projects have been carried out here, covering areas such as structural design, sustainable construction materials, geospatial surveying and water resources. Material testing is conducted in the appropriate laboratory, while final report preparation is completed in the Project Laboratory.

The laboratory is also used by faculty members for their research work. Faculty use its computing facilities and software for structural analysis and design, BIM modelling, GIS mapping and data analysis. They also use it to prepare and evaluate specimens and mix designs for research on sustainable and alternative construction materials, to process field and survey data, and to carry out water resources and environmental studies. Faculty guide research scholars, postgraduate and undergraduate students on these projects in the laboratory, and the outcomes are prepared here as research papers, conference presentations, consultancy reports and funded project proposals. Faculty also use the lab to develop prototypes and to prepare proposals to funding agencies and industry. This arrangement lets students and faculty work together on real problems, so research feeds into project work and classroom teaching.

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

S:NO	Name of the Laboratory
1.	Project Laboratory
2.	Research Laboratory
3.	**Centre of Excellence.**
	• Autodesk Centre of Excellence
	• Bentley Institute Academic Hub
	• AICTE-AVPL Centre of Excellence for Drones
	• AICTE Idea Lab
	• Center for Innovation Lab (CFI Lab)
	• Centre of Excellence on AI for Robotics
	• Centre of Excellence on Industry 4.0 and Innovation
	• Centre of Excellence of Sustainable and Green Construction

Centre of Excellence Ambiance:



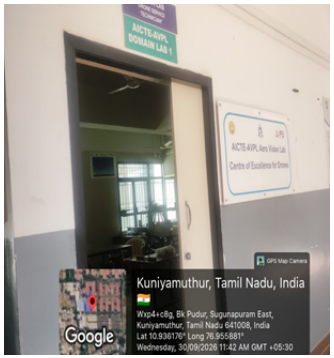


Autodesk Centre of Excellence

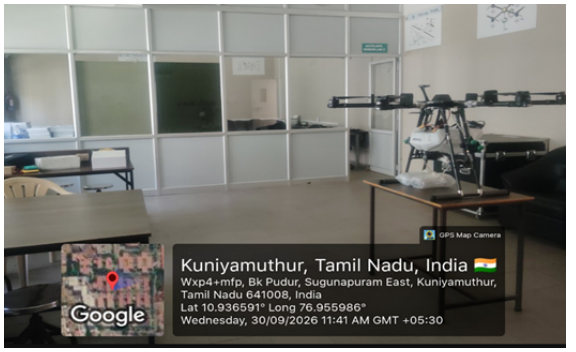




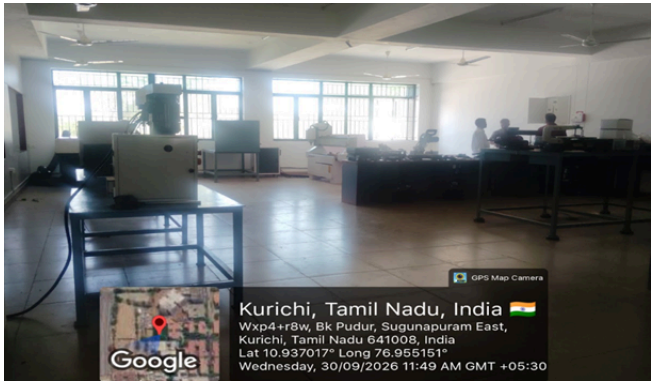
Bentley Institute Academic Hub





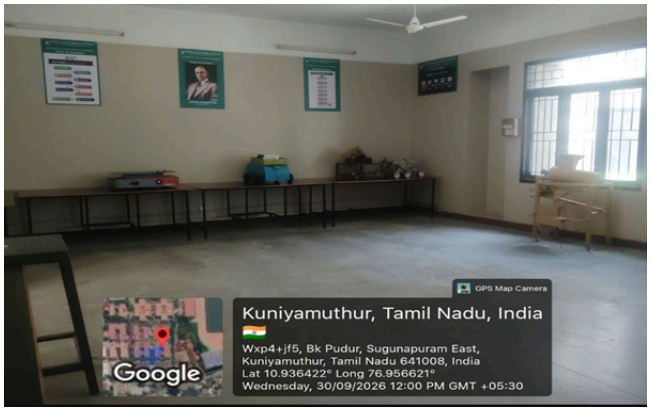


AICTE-AVPL Centre of Excellence for Drones





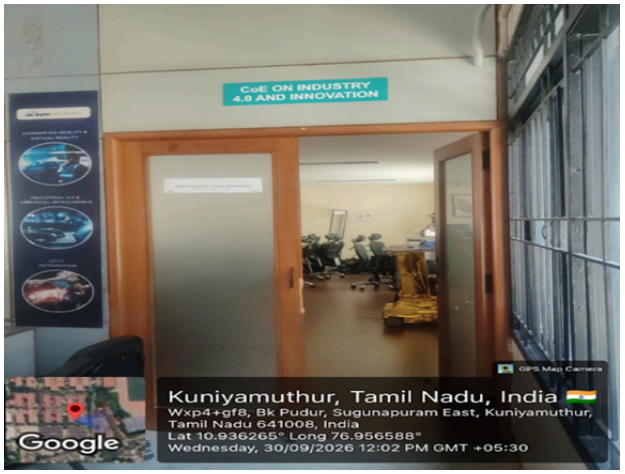
AICTE Idea Lab



Centre for Innovation Lab (CFI Lab)



Centre of Excellence on AI for Robotics





Centre of Excellence on Industry 4.0 and Innovation

Outcomes:

1. Project Laboratory

S. NO.	Name of Faculty/Students	Title of Project	Journal	Indexing
1.	Ramakrishnan S, Sanjay K, Sathrapathi S, Shanthanu S	Strength Behavior Analysis of Self-healing Concrete Using Bacteria and Silica gel	Periodica Polytechnica Civil Engineering	Scopus & WoS
2.	Subramaniyan Y, Krishnaswami N, Viswanathan R, Ramasamy H	Evaluation of Concrete Performance with amine group corrosion inhibitor	Materia Rio de Janeiro	Scopus & WoS

3.	Radhakrishnan V, Palaniraj S, Nirmalraj N, Banu U	Optimizing Concrete Strength with Tapioca Peel Ash: A Central Composite Design Approach	Materia Rio de Janeiro	Scopus & WoS
4.	Sakthivel S, Palaniraj S, Paramasivam R, Shanmugam T	Enhancing Concrete Performance through Iron Slag Substitution	Materia Rio de Janeiro	Scopus & WoS
5.	V. Stephen Pitchaimani, R. J. Jerin Joe, G. Shyamala, G. Manjula, B. Hemalatha, M. Dinesh Babu, S. Shenbaga Ezhil, Gobinath Ravindran	Multivariate statistical and hydrogeochemical analysis of seasonal ground water quality variations	Discover Sustainability	Scopus & WoS
6.	S. M. Mohamed Sahibulla, B. Hemalatha, D. Maruthachalam, G. Shyamala	Development of cleaner production composite rebar using sugarcane bagasse biochar	Biomass Conversion and Biorefinery	Scopus & WoS
7.	S. Sadheesh, Elavarasan, Divyesh, Sathya Narayana, Vinushree	Treatment of Textile Effluent by Coagulation Process using Moringa Oleifera as a Natural Coagulant	Indian Journal of Environmental Protection	Scopus
8.	Chandramohan D., N. Punitha, Gowtham M., S.C. Boobalan, B. Murali, K. Karthik	Eco-Friendly Tri-Layer Hybrid Composites: A Sustainable Approach to Polymer Matrix Materials	Journal of Polymer and Composites	WoS
9.	Mahenthiran Sathiyamoorthy, Ganesan Gowrisankar, Chandra Devi Raman, Krishnakumar Kunasekaran, Sankar Loganathan, Devananth Ramakrishnan	Prediction of drinking and irrigation chemical water quality indices using multilinear regression	Water Supply	Scopus & WoS
10.	S. Sadheesh, S. Elavarasan, V. Dineshkumar, V. Yogeshwaran	Sporting Footpaths and Toxic Dust: A Risk-Based Assessment of Urban, Suburban, and Rural Exposure	International Journal of Environmental Health Research	Scopus & WoS
11.	Prabakaran Ellappan, Malaravan Manoharan, Elavarasan Saminathan, Chandra Devi Raman	Sustainable Application of Recycled Brick Aggregates in Concrete	Materia Rio de Janeiro	Scopus & WoS
12.	R. Venkat Saravanan, R. Yuvaraja, L. Andal, V. Yogeshwaran	Evaluation Of The Performance Of Packed Bed Column For Heavy Metal Ion Removal Using Rice Husk Powder Coated With Iron Oxide Nano-Particles	Global Nest Journal	Scopus & WoS
13.	S. Sadheesh, R. Balaji, K. Amresh, P. Gokul	Onsite wastewater treatment using Artificially Constructed wetland planted with Canna Indica	Indian Journal of Environmental Protection	Scopus
14.	Chandra Devi Raman, N. Akash, M. Kaviyarasu, N. Rajkumar	Green iron particles in textile and dyebath wastewater decolorization	Desalination and Water Treatment	WoS & Scopus
15.	Chandra Devi R., Hemavathi R., Lokkesh Kumaar S., Harsha Varthan G., Rashmika D., Vijay Vignesh A.	Transport and fate of textile wastewater contaminants into soil	Global Nest Journal	WoS & Scopus
16.	Chandra Devi R., Hemavathi R., Ashwinkumar S., Gowtham B., Selvam M., Vijay Vignesh A.	Electrokinetic Remediation for Textile Wastewater Contaminated Soil	Global Nest Journal	WoS & Scopus
17.	Gokulan Ravindiran, Hemavathi Sundaram, Ezhilkumar Marimuthu Rajendran, Saravanan Ramasamy, Al-Zaqri Nabil, Boshaala Ahmed	Removal of Azo Dyes from synthetic wastewater using biochar derived from Sewage Sludge to prevent groundwater contamination	Urban Climate	WoS & Scopus
18.	S. Snehaa, T.S. Vignathirisaa, S. Pradeepkumar, V. Yogeshwaran	Hydrochemical Characterization Study of Singanallur lake, Coimbatore	Indian Journal of Environmental Protection	Scopus

19.	P. Kalaivani, S. Vijaykumar, P. Saravanakumar	Survey of Online Teaching and Learning Methods Special References From Chennai City	European Chemical Bulletin	Scopus (unconfirmed)
20.	Rajakumar S, Ramakrishnan S, Monica Nandini G.K, El-marghany A, Warad I, Senthil Kumar M	Valorization of Annona reticulata biochar by chitosan for the adsorption of Azo dye from Textile effluent	Global Nest Journal	Scopus & WoS
21.	Dr. S. Ramakrishnan	IoT-Based Intelligent Drainage System with Predictive Overflow and Blockage Detection	Internal Research Grant – ₹1.07 Lakh	Patent Published

2. Research Laboratory

S. No.	Research Project	Faculty	Funding Agency	Amount
1	Use of E-waste and Glass Powder in Concrete for Sustainable Development	Dr. P. Muthupriya	Tamil Nadu State Council for Science and Technology	₹0.075 Lakh
2	Designing a Small Scale Solar Powered Desalination Unit	Dr. S. Sadheesh	Tamil Nadu State Council for Science and Technology	₹0.075 Lakh
3	Performance Evaluation and Optimization of an Industrial Water Treatment System	Dr. G. Manjula	Best Innovation Solutions Pvt. Ltd., Coimbatore	₹2.23 Lakh
4	Development of Sustainable Bricks Incorporating Fly Ash, GGBS, Marble Waste and Quarry Dust	Dr. S. Ramakrishnan	ARKA BRICKS, Tiruchengode, Namakkal	₹2.74 Lakh
5	Sustainable Management of End-of-Life Solar PV Waste Using Material Recovery and Environmental Risk Assessment	Mr. S. Sadheesh	Omega Solar, Coimbatore	₹1.95 Lakh
6	Self Healing Geopolymer Concrete with Utilization of Construction and Demolition Waste	Dr. R. Chandra Devi	TNSDC – Naan Mudhalvan, Niral Thiruvizha 2024	₹0.10 Lakh
7	C&D Wastes – Sustainable Canal Lining to Prevent Seepage	Dr. R. Chandra Devi	Tamil Nadu State Council for Science and Technology	₹0.075 Lakh
8	Utilization of Waste Foundry Sand as Partial Replacement of Fine Aggregate in Concrete	Mr. M. R. Ezhilkumar	Sri Deivam Foundry, Coimbatore	₹2.46 Lakh
9	Investigation of Concrete Performance Using Iron Slag and Development of Low-Carbon Concrete Using Alternative Cementitious Materials	Dr. P. Saravanakumar	VR Foundries, Coimbatore	₹3.60 Lakh
10	Geotechnical Investigation and Slope Stability Analysis at Ooty	Dr. R. Chandra Devi	Globus Arima Builders, Coimbatore	₹6.42 Lakh
11	Engineering Performance of Recycled Construction and Demolition Waste for Road Subgrade Applications	Mr. S. C. Boobalan	RS Buildtech, Coimbatore	₹1.82 Lakh
12	Eco-friendly Cement Mortar Mixes for Construction with Alccofine Replacement	Mr. S. C. Boobalan	Internal Research Grant	₹1.23 Lakh
13	Direct Air Capture Technology for Removal of Air Pollutants	Dr. S. Sadheesh	Internal Research Grant	₹0.87 Lakh
14	Influence of *Bacteria megaterium* on Strength and Durability Properties of Concrete with Metakaolin	Mr. R. Vighnesh	Internal Research Grant	₹0.97 Lakh
15	Self-healing Concrete Using Bacteria and Silica Gel	Dr. S. Ramakrishnan	Internal Research Grant	₹1.16 Lakh

3. Autodesk Centre of Excellence

S. No.	Activity	Participants	Supporting Organization	Outcome
1	Advanced Softwares in Civil Engineering	Faculty & Students	Puma Technovation	Hands-on Training

4. Bentley Institute Academic Hub

S. No.	Activity	Participants	Supporting Organization	Outcome
1	Advanced Softwares in Civil Engineering	Faculty & Students	Puma Technovation	Hands-on Training

5. AICTE–AVPL Centre of Excellence for Drones

S. No.	Activity	Faculty	Supporting Organization	Outcome
1	Drone Surveying	Dr. G. Manjula	Digital Land Surveying, Coimbatore	Faculty & Students Hands-on Training

6. AICTE Idea Lab

S. No.	Innovation / Prototype	Faculty	Outcome
1	IoT-Based Smart Dustbin	Ms. R. Hemavathi	Prototype

7. Center for Innovation Lab (CFI Lab)

S. No.	Innovation / Prototype	Faculty	Outcome
1	Smart Irrigation Using Solar Power and Rainwater Harvesting System	Dr. G. Manjula	Model Development

8. Centre of Excellence on AI for Robotics

S. No.	Innovation / Prototype	Faculty
1	Real-Time Air Quality Monitoring Using IoT	Dr. V. Yogeshwaran
2	Smart Water Level Monitoring System	Dr. S. Ramakrishnan

9. Centre of Excellence on Industry 4.0 and Innovation

S. No.	Innovation / Activity	Faculty
1	Water Leakage Detection System in Pipes	Mr. S. C. Boobalan
2	Trends in Precast Construction	Mr. S. C. Boobalan

10.Centre of Excellence of Sustainable and Green Construction



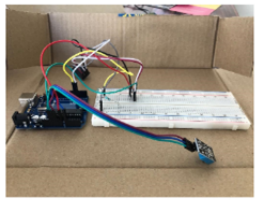
GFRP Lintel Rebar



GFRP Footing Rebar

10.Working Models / Prototypes

S. No.	Name of Faculty	Title of Working Model / Prototype	Mapped Laboratory
1	Dr. G. Manjula	Smart Irrigation Using Solar Power and Rainwater Harvesting System	Project Laboratory
2	Dr. S. Sadheesh	Direct Air Capture Technology for Removal of Air Pollutants	Research Laboratory
3	Dr. R. Chandra Devi	Landslide Risk Monitoring System	AICTE–AVPL Centre of Excellence for Drones
4	Dr. V. Yogeshwaran	Real-Time Air Quality Monitoring Using IoT	Centre of Excellence on AI for Robotics
5	Dr. S. Ramakrishnan	Smart Water Level Monitoring System	Centre of Excellence on AI for Robotics
6	Mr. S. C. Boobalan	Water Leakage Detection System in Pipes	Centre of Excellence on Industry 4.0 and Innovation
7	Ms. R. Hemavathi	IoT-Based Smart Dustbin	AICTE Idea Lab




Anirudh & team developed Arduino for Temperature and Humidity Calculation of Building Indoor Spaces



Dineshkumar & Team developed the Base Isolation Models



Tamilselvan & Team developed the Microbial Membrane Bioreactor



Divyadharshini & Team developed the Low Cost Water Purifier





Doubly Reinforced Beam







Drone Surveying

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.

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	400000000	396937329	290000000	229936923	122051500	132433690	18862500	15520095
Library	12000000	12410604	2500000	899191	9540000	8956320	1200000	1139982
Laboratory equipment	33000000	32636797	20000000	11964014	16570000	5445518	10000000	11805745
Teaching and non-teaching staff salary	380000000	376756807	231750000	225792575	216520000	216419721	220300000	218340926
Outreach Programs	2000000	2065527	1855000	1987948	2000000	1828871	47500000	12682720
R&D	14000000	13784366	7445000	7062415	4000000	3612855	5850000	4473819
Training, Placement and Industry linkage	10000000	10689402	9360000	9780383	20500000	20496882	22000000	21216844
SDGs	75000000	75967378	60785000	58087747	55000000	50103073	71025395	48119945
Entrepreneurship	600000	525689	588000	568187	150000	331229	150000	884144
Others, specify	260000000	263139084	225714000	291036938	234124825	235936395	153874500	207804812
Total	**1186600000**	**1184912983**	**849997000**	**837116321**	**680456325**	**675564554**	**550762395**	**541989032**

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	55000	34558	420000	325674	450000	376108	0	0
Software	400000	305666	200000	119666	450000	442500	0	0
SDGs	280098	279994	240123	173758	236397	215366	330591	215788
Support for faculty development	250000	223005	250000	241339	250000	205333	250000	214666
R & D	1000000	850070	1500000	1477800	2000000	1543000	2000000	2148000
Industrial Training, Industry expert, Internship	52000	45756	45595	32457	38600	29650	30000	21500
Miscellaneous Expenses*	300000	199268	350000	265015	250000	182882	150000	96795
Total	**2337098**	**1938317**	**3005718**	**2635709**	**3674997**	**2994839**	**2760591**	**2696749**