

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: 12010	Date of Submission: 27-07-2026

PART A- Profile of the Institute

A1.Name of the Institute: SRI SAI RAM ENGINEERING COLLEGE	
Year of Establishment : 1995-1995	Location of the Institute:
A2. Institute Address: SAI LEO NAGAR,POONTHANDALAM VILLAGE,DHARKAST POST,POST WEST TAMBARAM	
City:CHENNAI	State:Tamil Nadu
Pin Code:600044	Website:www.sairam.edu.in
Email:SAIRAM@SAIRAM.EDU.IN	Phone No(with STD Code):044-22512222
A3. Name and Address of the Affiliating University (if any):	
Name of the University : NIL	City:
State :	Pin Code:
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status:	

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

- No. of UG programs: **16**
- No. of PG programs: **12**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Artificial Intelligence and Data Science
2	Engineering & Technology	PG	Big Data Analytics	2025	--	Computer Science and Engineering
3	Engineering & Technology	PG	CAD/CAM	2009	--	Mechanical Engineering
4	Engineering & Technology	UG	Civil Engineering	2007	--	Civil Engineering
5	Engineering & Technology	PG	Communication Systems	2009	--	Electronics and Communication Engineering
6	Engineering & Technology	UG	Computer & Communication Engineering	2025	--	Computer and Communication Engineering
7	Engineering & Technology	PG	Computer Science & Engineering (Integrated)	2021	--	Computer Science and Engineering
8	Engineering & Technology	UG	Computer Science and Business System	2020	--	Computer Science and Business System

9	Engineering & Technology	UG	Computer Science and Engineering	1998	--	Computer Science and Engineering
10	Engineering & Technology	PG	Computer Science and Engineering	2011	--	Computer Science and Engineering
11	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2022	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
12	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2024	--	Computer Science and Engineering (Cyber Security)
13	Engineering & Technology	UG	Computer Science and Engineering (Internet of Things)	2022	--	Computer Science and Engineering (Internet of Things)
14	Engineering & Technology	PG	Computer Science and Engineering (Networks)	2007	--	Information Technology
15	Engineering & Technology	PG	Data Sciences	2026	--	Computer Science and Engineering
16	Engineering & Technology	PG	Defence Technology	2021	--	Electronics and Communication Engineering
17	Engineering & Technology	UG	Electrical and Electronics Engineering	1995	--	Electrical and Electronics Engineering
18	Engineering & Technology	UG	Electronics & Communication Engineering	1995	--	Electronics and Communication Engineering
19	Engineering & Technology	UG	Electronics & Instrumentation Engineering	2007	--	Electronics and Instrumentation Engineering
20	Engineering & Technology	UG	Electronics Instrumentation & Control Engineering	1998	2025	Electronics Instrumentation and Control Engineering
21	Engineering & Technology	PG	Embedded Systems Technologies	2010	--	Electronics and Communication Engineering
22	Engineering & Technology	PG	Industrial Safety Engineering	2025	--	Mechanical Engineering
23	Engineering & Technology	UG	Information Technology	1999	--	Information Technology
24	Engineering & Technology	UG	Mechanical & Automation Engineering	2021	2025	Mechanical and Automation Engineering
25	Engineering & Technology	UG	Mechanical Engineering	1995	--	Mechanical Engineering
26	Engineering & Technology	UG	Mechatronics Engineering	2025	--	Mechatronics Engineering
27	Engineering & Technology	PG	Power Electronics & Drives	2010	--	Electrical and Electronics Engineering
28	Management	PG	Master of Business Administration	2025	--	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 APPROVAL DETAILS	ACCREDITATION STATUS	FROM	TO
1	Civil Engineering	UG	2007 / --	60	Yes	2025	30	2007	F.No. Southern/1-44641423641/2025/EOA/Corrigendum-1, dated 08.05.2025	Not accredited (specify visit dates, year)	29/06/2018	07/06/2025

Sanctioned Intake for Last Five Years for the Civil Engineering

Academic Year	Sanctioned Intake
2025-26	30
2024-25	60
2023-24	60
2022-23	60
2021-22	60
2020-21	60

List of the Allied Departments/Cluster and Programs:

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

A. Name of the HoD :	Dr.R.Pamila
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	30	60	60	60	60	60	60
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	30	34	52	42	39	43	42

N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	4	5	4	5	7	9
N3=Separate division if any	0	0	1	1	0	0	12
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	2	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.	32	38	58	47	44	50	63

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	30	30	2	106.67
2024-25 (CAYm1)	60	34	0	56.67
2023-24 (CAYm2)	60	52	0	86.67

Average [(ER1 + ER2 + ER3) / 3] = 83.34≡ 17.00

B5. Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	65.00	66.00	66.00
B=No. of students who graduated from the program in the stipulated course duration	40.00	48.00	63.00

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 70.51

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)	7.78	8.03	7.80
Y=Total no. of successful students	34.00	52.00	42.00
Z=Total no. of students appeared in the examination	34.00	52.00	42.00
API [X*(Y/Z)]	7.78	8.03	7.80

Average API[(AP1+AP2+AP3)/3] : 7.87

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 2nd year/10)	7.75	7.53	7.54
Y=Total no. of successful students	57.00	44.00	43.00
Z=Total no. of students appeared in the examination	57.00	46.00	44.00

API [$X * (Y/Z)$]	7.75	7.20	7.37
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Average API [(AP1 + AP2 + AP3)/3] : 7.44

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)	7.85	7.69	8.11
Y=Total no. of successful students	44.00	43.00	49.00
Z=Total no. of students appeared in the examination	44.00	43.00	50.00
API [$X*(Y/Z)$]:	7.85	7.66	7.95

Average API [(AP1 + AP2 + AP3)/3] : 7.82

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	65.00	66.00	66.00
X=No. of students placed	35.00	33.00	55.00
Y=No. of students admitted to higher studies	4.00	14.00	6.00
Z= No. of students taking up entrepreneurship	1.00	1.00	2.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$:	61.54	72.73	95.45

Average Placement Index = (P_1 + P_2 + P_3)/3: 76.57 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	Mr.R.Devakandhan	XXXXXXXX07E	M.Tech	SRM University	Construction Engineering and Management	16/06/2014	12.1	Assistant Professor	Assistant Professor		Regular	Yes		No
2	Ms.M.Sivaranjani	XXXXXXXX17B	M.E.	Sathyabama University	Structural Engineering	01/06/2012	14.1	Assistant Professor	Assistant Professor		Regular	Yes		No
3	Ms.A.Sujaatha	XXXXXXXX15P	M.E.	Sathyabama University	Environmental Engineering	03/10/2009	16.9	Assistant Professor	Assistant Professor		Regular	Yes		No

4	Ms.R.Subalakshmi	XXXXXXXX41C	M.Tech	SRM University	Construction Engineering and Management	05/12/2012	13.7	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Ms.K.Vaidhegi	XXXXXXXX58K	M.E.	Anna University	Environmental Engineering	12/06/2013	13.1	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Ms.N.Nisha	XXXXXXXX26B	M.Tech	SRM University	Construction Engineering and Management	15/06/2017	9.1	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mr.R.Mohammed Ashick	XXXXXXXX70P	M.Tech	B.S Abdur Rahman University	Structural Engineering	16/06/2017	9.1	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr.J.Rajesh	XXXXXXXX08F	M.E.	Periyar Maniammai University	Construction Engineering and Management	02/08/2021	4.11	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Dr.S.Siva Rama Krishnan	XXXXXXXX93E	Ph.D	Anna University	Structural Engineering	02/08/2021	4.11	Assistant Professor	Associate Professor	01/07/2023	Regular	Yes		No
10	Dr.N.Suganya	XXXXXXXX84R	Ph.D	Annamalai University	Structural Engineering	25/02/2021	5.4	Associate Professor	Professor	01/08/2024	Regular	Yes		No
11	Dr.R.Pamila	XXXXXXXX38D	Ph.D	B.S..Abdur Rahman Crescent Institute of Science and Technology	Environmental Engineering	20/06/2008	18	Assistant Professor	Professor	01/08/2024	Regular	Yes		Yes
12	Ms.R.M.Asha	XXXXXXXX87B	M.E.	Anna University	Environmental Management	01/07/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Ms.M.Anbuselvi	XXXXXXXX02K	M.E.	Vinayaka Missions University	Structural Engineering	25/06/2011	13.11	Assistant Professor	Assistant Professor		Regular	No	31/05/2025	No
14	Dr.S.Bhagavathi Perumal	XXXXXXXX80J	Ph.D	Anna University	Environmental Engineering	06/08/2020	3.10	Professor	Professor	06/08/2020	Regular	No	28/06/2024	No
15	Mr.S.Kandasamy	XXXXXXXX50N	M.E.	Anna University	Environmental Engineering	10/07/1998	26	Assistant Professor	Professor	02/08/2010	Regular	No	31/07/2024	No

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

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):

UG1=1st UG program

UGn=nth UG program

B= No. of Students in UG 2nd year (ST)**C**= No. of Students in UG 3rd year (ST)**D**= No. of Students in UG 4th year (ST)

No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

Student Faculty Ratio (**SFR**) = S/F

S= No. of students of all programs in the Department including all students of allied departments/clusters.

No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)

Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.

F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

No. of UG Programs in the Department1 No. of PG Programs in the Department0
Table No.C2.1: Student-faculty ratio.

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	64	65	64
UG1.C	65	64	65
UG1.D	64	65	66
UG1: Civil Engineering	193	194	195
DS=Total no. of students in all UG and PG programs in the Department	193	194	195
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= 193	S2= 194	S3= 195
DF=Total no. of faculty members in the Department	12	12	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= 12	F2= 12	F3= 14
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 16.08	SFR2= 16.17	SFR3= 13.93
Average SFR for 3 years	SFR= 15.39		

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 = $2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	3	9	9.00	18.33
2024-25(CAYm1)	3	9	9.00	18.33
2023-24(CAYm2)	4	10	9.00	22.22

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	2.00	2.00	1.00	6.00	9.00
2024-25	1.00	2.00	2.00	1.00	6.00	9.00
2023-24	1.00	1.00	2.00	3.00	7.00	10.00
Average	RF1=1.00	AF1=1.67	RF2=2.00	AF2=1.67	RF2=6.33	AF2=9.33

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. J. KUMAR	POP ASSISTANT PROFESSOR	JKT CONSTRUCTIONS	ADVANCED REINFORCED CONCRETE STRUCTURES, PROJECT PHASE I, STRUCTURAL ANALYSIS II, PROJECT PHASE II	66.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. J. KUMAR	POP ASSISTANT PROFESSOR	JKT CONSTRUCTIONS	ADVANCED REINFORCED CONCRETE STRUCTURES, PROJECT PHASE I DESIGN OF STEEL STRUCTURES PROJECT PHASE II	65.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	DR. K. RAVISANKAR	POP PROFESSOR	CSIR	DESIGN OF REINFORCED CEMENT CONCRETE STRUCTURES, DESIGN OF STEEL STRUCTURES, PROJECT WORK	60.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	8	7	6
2	No. of peer reviewed conference papers published	16	15	13
3	No. of books/book chapters published	4	4	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 N Suganya		Civil Engineering	Study on durability and micro structure of ambient cured Geo polymer concrete using scrap steel slag as coarse aggregate	Science and Engineering Research Board(SERB)	3 years	6.10
Mr R Devakandhan		Civil Engineering	Automatic street light fault detection with location tracking	Niral Thiruvizha	6 months	0.10
						Amount received (Rs.):6.20

(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 N Suganya		Civil Engineering	Study on durability and micro structure of ambient cured Geo polymer concrete using scrap steel slag as coarse aggregate	Science and Engineering Research Board(SERB)	3 years	6.10
						Amount received (Rs.):6.10

(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 N Suganya		Civil Engineering	Study on durability and micro structure of ambient cured Geo polymer concrete using scrap steel slag as coarse aggregate	Science and Engineering Research Board(SERB)	3 years	6.10
Ms M Sivaranjani		Civil Engineering	Noise absorbing product using Agro waste material	Tamilnadu state council for Science and Technology	6 months	0.04
						Amount received (Rs.):6.14

Total Amount (Lacs) Received for the Past 3 Years: 18.44

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
Ms K Vaidhegi and Ms A Sujaatha		Civil Engineering	Bio gas development	Sri Sai Fusion Techno works	6 months	2.10
Dr S Siva Rama Krishnan and Mr J Rajesh		Civil Engineering	Design and development of DG unit installation	Armor Grandeur Private limited	6 months	0.65
Ms R Subalakshmi		Civil Engineering	Cube testing	Debrique Creative labs private limited	6 months	0.23
Ms N Nisha and Ms A Sujaatha		Civil Engineering	Testing of construction material and Mix design for M25 concrete	K VC S Construction	6 months	0.12
						Amount received (Rs.):3.10

(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
Ms K Vaidhegi and Dr R Pamila		Civil Engineering	Bio gas development	Sri Sai Fusion Techno works	6 months	2.10
Dr S Siva Rama Krishnan and Mr R Mohammed Ashick		Civil Engineering	Design and development of DG unit installation	Armor Grandeur Private limited	6 months	0.99
Dr S Bhagavathi perumal and Ms R Subalakshmi		Civil Engineering	Cube testing	Debrique Creative labs private limited	6 months	0.24
Dr R Pamila Ms A Sujaatha and Ms M Sivaranjani		Civil Engineering	Cube testing	Water Resources Department	6 months	0.16
Ms K Vaidhegi and Mr J Rajesh		Civil Engineering	Soil testing	Public works department	6 months	0.06
						Amount received (Rs.):3.55

(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
Ms K Vaidhegi and Ms A Sujaatha		Civil Engineering	Bio gas development	Sri Sai Fusion Techno works	6 months	1.65
Ms N Nisha		Civil Engineering	Testing of construction material and Mix design for M25 concrete	K R Technologies	3 months	0.10
Dr S Bhagavathi perumal and Ms R Subalakshmi		Civil Engineering	Cube testing	Debrique Creative labs private limited	6 months	0.02
Mr R Devakandhan		Civil Engineering	Testing of paver block	3S Concrete blocks	3 months	0.01
						Amount received (Rs.):1.78

Total amount (Lacs) received for the past 3 years: 8.43

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 Siva Rama Krishnan	3d Walk Through Structure	6 months	0.50	0.50	Develop walkthrough the structure using AR VR tools
Ms A Sujaatha	Automatic Dam Shutter Mechanics Using AI	6 months	0.50	0.50	develop automatic dam shutter using AI
Ms K Vaidhegi	Waste Water Treatment Plant For Sairam Campus Using Iot	6 months	0.45	0.45	develop waste water treatment and check the output of treatment using IOTplant
			Amount received (Rs.): 1.45		

(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
Ms K Vaidhegi, Dr R Pamila	Design and Development of Bio Gas Development from the food waste	6 months	2.68	2.68	Product development
Mr R Mohammed Ashick	Silica fume aerated blocks	6 months	0.50	0.50	Develop a silica fume aerated block for construction
Mr J Rajesh	Smart Irrigation System Using Iot	3 months	0.51	0.51	Enable early fault detection, improved equipment monitoring, and efficient maintenance through continuous data analysis
Ms A Sujaatha Ms N Nisha	Development of mushroom cultivation using IOT technology	3 months	0.31	0.31	Improve cultivation efficiency, yield, resource management, and reduce manual intervention through smart monitoring.
Mrs. M. Sivaranjani	Cell Filled Concrete Pavement	6 months	0.50	0.50	Develop cell filled concrete pavement for construction
Dr S Bhagavathi perumal	Study And Analysis On Personal Exposure To Particulate Matter Concentration At Chennai City	6 months	0.50	0.50	Develop and analyse particulate matter in Chennai city
Dr N Suganya	Analysing Performance Of Used Insulation Oil As Admixture In Concrete	6 months	0.33	0.33	Develop admixture using insulation oil and check characteristics
			Amount received (Rs.): 5.33		

(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
Ms R Mohammed ashick	Polyethylene Terephthalate Rebar Reinforced Concrete Slab	6 months	0.69	0.69	Improve students' creativity, problem-solving skills, logical thinking, and interest in STEM subjects.
Mr R Devakandhan	Development of bacteria based self healing concrete	3 months	0.24	0.24	Enable early fault detection, improved equipment monitoring, and efficient maintenance through continuous data analysis.
			Amount received (Rs.): 0.93		

Total amount (Lacs) received for the past 3 years : 7.71

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	Survey Laboratory	30	Theodolite Dumpy level Total Station Prismatic Compass Surveyor Compass Plane Table Chains	6 Hours per we	Mr S Jaya Kumar	Lab Technician	DCE
2	CADD Laboratory	30	Computer System Of Intel Core 2 Duo 29 Ghz 30 Systems Autocadd software 5 user License Analysis and Design software 5 Hard Disks	12 Hours per w	Mr S Vijayakumar	Lab Technician	BE DME
3	Concrete and Highway Laboratory	30	Compression Testing Machine (CTM) Vee Bee Consistometer Aggregate Impact Testing Machine Loss Apparatus Abrasion Testing Machine Marshall	12 Hours per w	Mr V Vinoth Kumar	Lab Technician	DCE
4	Soil Mechanics Laboratory	30	Liquid & Plastic Limit Apparatus Shrinkage Limit Apparatus Proctor Compaction Apparatus (Light & Heavy) Direct Shear Apparatus Field Density	6 Hours per we	Mr S Ramesh	Lab Technician	DCE
5	Environmental Engineering Laboratory	30	BOD Incubator Muffle Furnace Cod Apparatus Hot Air Oven Jar Test Apparatus Conductivity Meter Spectrophotometer Turbidity Meter BOD Apparatus	6 Hours per we	Mr P Adhinarayanan	Lab Technician	DCE
6	Strength of Materials Laboratory	30	UTM Torsion Testing Machine Rockwell Hardness Testing Machine Brinell Hardness Testing Machine Charpy Testing Machine Beam Deflection Test	6 Hours per we	Mr M Yogambaram	Lab Technician	ITI
7	Hydraulic Engineering Laboratory	30	Pelton Wheel Turbine Francis Turbine Kaplan Turbine Centrifugal Pump Reciprocating Pump Open Channel Flow Flumes Venturimeter Orificemeter	6 Hours per we	Mr K Lakshman	Lab Assistant	ITI

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Survey Laboratory	General: 1. To adhere the Standard Operating Procedures (SOPs) for each equipment or tool before use. 2. To wear lab uniform and safety shoes during the lab hours 3. To ensure the safety protocols of Do's and don'ts must be followed before entering the laboratory 4. Enter into the laboratory with the permission of Lab In-charges or laboratory technicians. Lab Specific: ✓ Inspect the Total Station, Theodolite and Dumpy Level equipment before use. ✓ Ensure tripods are firmly positioned on stable ground before taking observations. ✓ Wear safety shoes during field survey.
2	CADD Laboratory	General: 1. To adhere the Standard Operating Procedures (SOPs) for each equipment or tool before use. 2. To wear lab uniform and safety shoes during the lab hours 3. To ensure the safety protocols of Do's and don'ts must be followed before entering the laboratory 4. Enter into the laboratory with the permission of Lab In-charges or laboratory technicians. Lab Specific: ✓ Students should log in using authorized credentials only ✓ Do not install or uninstall any software without permission ✓ Report damaged cables, monitors, or electrical equipment immediately
3	Concrete and Highway Engineering Laboratory	General: 1. To adhere the Standard Operating Procedures (SOPs) for each equipment or tool before use. 2. To wear lab uniform and safety shoes during the lab hours 3. To ensure the safety protocols of Do's and don'ts must be followed before entering the laboratory 4. Enter into the laboratory with the permission of Lab In-charges or laboratory technicians. Lab Specific: ✓ Wear safety shoes, masks while handling cement, aggregates, and bitumen. ✓ Exercise caution while operating concrete mixers, compression testing machines, and vibrators. ✓ Avoid direct contact with hot bitumen and heated equipment. ✓ Clean spills immediately to prevent slips and falls
4	Soil Mechanics Laboratory	General: 1. To adhere the Standard Operating Procedures (SOPs) for each equipment or tool before use. 2. To wear lab uniform and safety shoes during the lab hours 3. To ensure the safety protocols of Do's and don'ts must be followed before entering the laboratory 4. Enter into the laboratory with the permission of Lab In-charges or laboratory technicians. Lab Specific: ✓ Ensure soil testing equipment is properly calibrated before use. ✓ Wear safety shoes while handling heavy mould and soil samples. ✓ Keep hands away from moving parts of compaction, CBR, and triaxial testing equipment. ✓ Lift heavy specimens using proper lifting techniques to prevent injuries.
5	Environmental Engineering Laboratory	General: 1. To adhere the Standard Operating Procedures (SOPs) for each equipment or tool before use. 2. To wear lab uniform and safety shoes during the lab hours 3. To ensure the safety protocols of Do's and don'ts must be followed before entering the laboratory 4. Enter into the laboratory with the permission of Lab In-charges or laboratory technicians. Lab Specific: ✓ Wear lab coats, gloves while handling chemicals. ✓ Handle acids and reagents only under faculty/laboratory staff supervision. ✓ Store chemicals in designated storage cabinets after use. ✓ Dispose of chemical waste according to laboratory safety procedures.
6	Strength of Materials Laboratory	General: 1. To adhere the Standard Operating Procedures (SOPs) for each equipment or tool before use. 2. To wear lab uniform and safety shoes during the lab hours 3. To ensure the safety protocols of Do's and don'ts must be followed before entering the laboratory 4. Enter into the laboratory with the permission of Lab In-charges or laboratory technicians. Lab Specific: ✓ Ensure test specimens are properly aligned and securely fixed before loading. ✓ Do not exceed the rated capacity of the Universal Testing Machine (UTM). ✓ Keep hands away from the loading frame during testing. ✓ Operate testing equipment only in the presence of the laboratory technician or faculty member.
7	Hydraulics Engineering Laboratory	General: 1. To adhere the Standard Operating Procedures (SOPs) for each equipment or tool before use. 2. To wear lab uniform and safety shoes during the lab hours 3. To ensure the safety protocols of Do's and don'ts must be followed before entering the laboratory 4. Enter into the laboratory with the permission of Lab In-charges or laboratory technicians. Lab Specific: ✓ Check pumps, valves, pipelines, and electrical connections before conducting experiments. ✓ Never operate electrical switches with wet hands. ✓ Switch off the motor before changing the experimental setup or performing maintenance. ✓ Immediately clean water spills to prevent slipping.

D3. Project Laboratory/Research Laboratory

7.5 7.5.1 Project laboratory:

The curriculum incorporates a structured Student Innovation Ecosystem that promotes experiential and project-based learning across various semesters. Live-in-Lab I, II, and III are offered during the III, IV, and V semesters, respectively, followed by the Innovative Design Project in the VI semester and the Final Year Project – Phase I and Phase II in the VII and VIII semesters, respectively. Students effectively utilize the Project Laboratory facilities and equipment based on their project requirements for design, development, fabrication, testing, and validation activities. The following table presents the list of equipment available in the Project Laboratory.

Table No. 7.5.1.1 List of Facilities available in project laboratory.

S. No	Equipment /Facility	Utilization	Relevance to PO's / PSO's
1.	AR/VR Facility	Utilized for immersive visualization of buildings and infrastructure, virtual site exploration, construction sequencing, design interpretation, and project demonstrations.	PO3, PO5
2	ANSYS	Utilized for finite element modelling and analysis of structural components, including evaluation of stress, strain, deformation, and structural behaviour under different loading conditions.	PO3, PO4, PO5

Impact Analysis:

The project laboratory facilities are effectively utilized for Live-in-Lab I, II & III, Innovative Design Projects, and Final Year Projects (Phase I & II), providing hands-on experience in design, fabrication, testing, analysis, and validation while promoting innovation, experiential learning, teamwork, and problem-solving skills, thereby enhancing students' technical competence and professional readiness for higher studies and industry.

Table No. 7.5.1.2: List of Project in Project Laboratory

S No	Title of project	Name of students	Guide	Batch
1.	Silica fume aerated blocks	Mohan S	Mr.R. Mohammed Ashick	2019-2023
		Sriram P		
		Kruthik K S		
2.	Organic Cooling Tiles	Sethuraman R	Mr. R. Devakandhan	2020-2024
		Vishwanathar A		
		Mohamed Zuhairudeen A		
3.	Fly Ash Concrete Blocks	Sharvaani P	Dr. S. Bhagavathi Perumal	2020-2024
		Priyadarshini K		
		Poornima B		

4.	Manufacture Of Imperishable Resilient Bricks	Amirthakavi K	Mr.R. Mohammed Ashick	2020-2024
		Babin Kumar M		
		Hariraj M		
5.	Smart monitoring system in agriculture integrated with IOT	Sohil A R	Mr.J. Rajesh	2021-2025
		Awrangazeb S		
		Sudharsan M		
6.	Sustainable fibro plastic blocks for hydroponics with application with green bulidings	Mahima M	Dr R Pamila	2021-2025
		Srimathi K		
7.	Water Purification using sustainable Bio-Blocks	Renuga R M	Ms.K.Vaidhegi	2022-2026
		Dhakshinya V		
		Geetha Haripriya S		
8.	Sustainability by using PET Bottles In Construction	Sudarshan p	Ms. N. Nisha	2022-2026
		Manikandan R		
		Kannappan P L		
		Vasanthha Prakash R		
9.	Green infrastructure with organic mortar	Om Prakash SJ	Mr. R. Devakandhan	2022-2026
		Harish R		
		Laxman sundar S		
		John Milton		
10.	Study of the strength of GGBS infused no fines concrete for rigid pavement	Saraya Nirojini S	Ms. A. Sujaatha	2022-2026
		Thirunisha S		
		Thirisha M		

7.5.2 Research Laboratory:

The Research Laboratory provides facilities to support faculty and student research in various domains of Civil Engineering, with emphasis on sustainable materials, environmental engineering, structural performance, and innovative construction technologies. The laboratory is utilized for funded projects, experimental investigations, material characterization, testing, and development of innovative products and solutions. It facilitates the effective use of advanced equipment for carrying out systematic investigations and obtaining reliable experimental results.

Table No. 7.5.2.1: List of funded projects in Research Laboratory

S No	Name of the Faculty	Project Name	Amount	Relevance to PO's / PSO's
1	Ms. N. Suganya	Study On Durability And Microstructure Of Ambient Cured Geopolymer Concrete Using Scrap Steel Slag As Coarse Aggregate	Rs.18,30,000/-	PO3, PO4, PO5, PO7
2	Ms. K. Vaidhegi	Green Fuel Briquettes	Rs.7500/-	PO3, PO4, PO7
3	Mr. R. Devakandhan	Automatic street light detection with location tracking	Rs.10,250/-	PO3, PO5, PO6
4	Ms. M. Sivaranjani	Noice absorbing product using AGRO waste	Rs.4000/-	PO3, PO4, PO7

Impact analysis:

The Research Laboratory supports funded projects, experimental investigations, material characterization, testing, and development of innovative solutions, enhancing students' technical knowledge, analytical skills, problem-solving ability, innovation, and practical exposure while promoting sustainable Civil Engineering practices

7.5.3 Centre of Excellence

- The Department has established a Centre of Excellence (CoE) to promote advanced learning, research, innovation, and industry-oriented skill development in emerging areas of Civil Engineering.
- The Centre of Excellence is equipped with modern GNSS, geospatial, UAV, LiDAR, 3D scanning and surveying technologies for high-precision data acquisition and digital mapping.
- The Centre supports hands-on training, student and faculty research, consultancy, interdisciplinary projects and industry-oriented activities in emerging Civil Engineering technologies. The Centre enhances students' technical competency, practical knowledge, problem-solving skills and exposure to modern surveying, construction, infrastructure assessment and geospatial applications.

Table No. 7.5.3.1: List of Centre of Excellence

S. N.	Name of the Facility	Details	Utilization	Relevance to POs/PSOs
1.	Digital Terrain and Earthwork Analysis	Integrates GNSS and 3D spatial data acquisition for developing terrain models and estimating cut-and-fill quantities	Used for existing ground-level surveys, contour generation, earthwork calculations, cut-and-fill estimation, site grading and infrastructure planning.	PO4, PO5, PSO2
2.	GNSS and Geospatial Mapping	Provides RTK-GNSS based spatial data acquisition for high-precision mapping, contour generation and digital terrain representation.	Used for campus topographic mapping, contour preparation, elevation and slope analysis, area calculation, infrastructure mapping and geospatial projects.	PO4, PO5, PSO2
3.	3D Laser Scanning and Structural Survey	Integrates Total Station with LiDAR/SLAM scanners such as MVP S1/S2 for three-dimensional measurement of buildings and structures.	Used for building verticality assessment, structural geometry measurement, deviation analysis, displacement measurement, as-built surveys and structural investigations	PO4, PO5, PSO2
4.	Construction Surveying and Setting-Out	Provides high-precision surveying instruments for transferring design coordinates, grid lines, levels and structural dimensions to the construction site	Used for column positioning, grid-line setting, level transfer, dimensional verification, construction layout, alignment checking and quality control	PO4, PO5, PSO1, PSO2
5.	Digital Quantity and Volume Surveying	Uses RTK-GNSS and 3D scanning technologies to obtain spatial data for digital volume and quantity estimation	Used for stockpile volume calculation, construction material quantity assessment, comparative volume estimation, earthwork measurement and project-based investigations.	PO4, PO5, PSO2

Impact analysis

The Centre of Excellence provides advanced surveying and geospatial facilities for terrain modelling, GNSS mapping, 3D scanning, construction setting-out, and digital quantity estimation. The facility supports practical applications such as the NHA proposal and Village Survey Lab activities, enabling students to gain hands-on experience in real-time surveying, infrastructure assessment, mapping, and field data analysis while enhancing their technical competency and industry readiness.

PART E: First Year faculty and financial Resources

(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members $((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4))$; Percentage= $((NS1*0.8) + (NS2*0.2))/RF$
2023-24(CAYm2)	1680	84	72	17	73
2024-25(CAYm1)	1770	88	83	15	79
2025-26(CAY)	3030	152	136	30	76

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	1150.00	993.01	1125.00	1490.64	1600.00	2225.04	825.00	791.30
Library	120.00	101.21	35.00	29.57	55.00	42.75	55.00	53.84
Laboratory equipment	650.00	645.39	530.00	569.70	317.50	557.70	345.00	338.36
Teaching and non-teaching staff salary	6375.00	5848.44	5040.00	5182.48	4205.00	4379.40	3780.00	3542.78
Outreach Programs	229.00	233.26	125.00	137.00	150.00	160.63	115.00	162.31
R&D	185.00	194.10	185.00	187.85	185.00	206.72	142.00	188.37
Training, Placement and Industry linkage	150.00	111.10	135.00	129.73	230.00	186.58	205.00	208.12
SDGs	245.00	248.90	94.00	95.40	80.00	78.94	45.00	85.39
Entrepreneurship	117.00	117.82	95.00	95.00	80.00	78.95	75.00	80.09
Miscellaneous Expenses*	4510.65	4766.49	3239.86	3507.19	2961.05	3242.00	2078.95	2191.08
Total	13731.65	13259.72	10603.86	11424.56	9863.55	11158.71	7665.95	7641.64

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	840000	663454	781000	736697	1170000	1101038	1300000	1225302

Software	275000	543516	485000	468598	515000	498569	300000	281357
SDGs	195000	487380	300000	284710	250000	230925	325000	315004
Support for faculty development	150000	230714	195000	177583	260000	245457	500000	481592
R & D	410000	380062	595000	576441	725000	670542	710000	663721
Industrial Training, Industry expert, Internship	350000	217545	335000	318532	675000	625635	850000	826730
Miscellaneous Expenses*	3285000	3063653	3705000	3558010	4165000	3962056	2900000	2822655
Total	5505000	5586324	6396000	6120571	7760000	7334222	6885000	6616361