Civil Engineering

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: 11437	**Date of Submission**: 29-01-2026

PART A- Profile of the Institute

A1.Name of the Institute: SRI RAMAKRISHNA ENGINEERING COLLEGE	
Year of Establishment : 1994	Location of the Institute: VATTAMALAIPALAYAM COIMBATORE
A2. Institute Address:VATTAMALAIPALAYAM,N.G.G.O.COLONY POST,COIMBATORE-641022	
City:--Select--	State:Tamil Nadu
Pin Code:641022	Website:www.srec.ac.in
Email:PRINCIPAL@SREC.AC.IN	Phone No(with STD Code):0422-3122777
A3. Name and Address of the Affiliating University (if any):	
Name of the University : ANNA UNIVERSITY	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: **11**
- No. of PG programs: **9**

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	Aeronautical Engineering	2008	--	Aeronautical Engineering
2	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Artificial Intelligence and Data Science
3	Engineering & Technology	PG	Artificial Intelligence and Data Science Biomedical Engineering	2023	--	Computer Science and Engineering Biomedical Engineering
4	Engineering & Technology	UG	Civil Engineering	2006	--	Civil Engineering
5	Engineering & Technology	UG	Computer Science & Engineering	2012	--	Computer Science and
6	Engineering & Technology	PG	(Integrated) Computer Science and Engineering	2021	--	Engineering Computer Science and Engineering
7	Engineering & Technology	PG	Computer Science and Engineering	2010	2023	Computer Science and Engineering
8	Engineering & Technology	UG		1994	--	

9	Engineering & Technology	PG	Control and Instrumentation	2013	2024	Electronics and Instrumentation Engineering
10	Engineering & Technology	UG	Electrical & Electronics Engineering	1994	--	Electrical and Electronics Engineering
11	Engineering & Technology	UG	Electronics & Communication Engineering	1994	--	Electronics and Communication Engineering
12	Engineering & Technology	UG	Electronics & Instrumentation Engineering	2001	--	Electronics and Instrumentation Engineering
13	Engineering & Technology	PG	Embedded Systems Technologies	2013	--	Electronics and Communication Engineering
14	Engineering & Technology	UG	Information Technology	1998	--	Information Technology
15	Engineering & Technology	UG	Mechanical Engineering	1994	--	Mechanical Engineering
16	Engineering & Technology	PG	Nano Science & Technology	2012	--	Nano Science and Technology
17	Engineering & Technology	PG	Robotics and Artificial Intelligence	2023	--	Robotics and Automation
18	Engineering & Technology	UG	Robotics and Automation	2019	--	Robotics and Automation
19	Engineering & Technology	PG	VLSI Design	2010	--	Electronics and Communication Engineering
20	Management	PG	Master of Business Administration	2008	--	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
Biomedical Engineering	Ye	Biomedical Engineering	UG
Artificial Intelligence and Data Science	s	Artificial Intelligence and Data Science	UG
Aeronautical Engineering	Ye	Aeronautical Engineering	UG

s

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

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	No	NA	60	2012	Southern/1-44643177785/2025/EOA) dated 10th April 2025	Granted accreditation for 3 years for the period (specify period)	2023	2026	1	4

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. E.SAROJINI
B. Nature of appointment:	Regular
C. Qualification:	M.E. and 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)	60	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	60	45	53	39	32	48	41
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	19	13	16	12	18	12
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	2	3	0	0	0	0	2
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	62	67	66	55	44	66	55

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)	60 60	60 45	2 3	103.33
2024-25 (CAYm1)				80.00

2023-24 (CAYm2)	60	53	0	88.33

Average [(ER1 + ER2 + ER3) / 3] = 90.55≡ 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).	72.00	78.00	72.00
B=No. of students who graduated from the program in the stipulated course duration	31.00	45.00	52.00
Success Rate (SR)= (B/A) * 100	43.06	57.69	72.22

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 57.66

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)	7.92	8.02	8.00
Y=Total no. of successful students	33.00	24.00	28.00
Z=Total no. of students appeared in the examination	48.00	53.00	39.00
API [X*(Y/Z)]	5.44	3.63	5.74

Average API[(AP1+AP2+AP3)/3] : 4.94

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)	8.16	8.25	7.66
Y=Total no. of successful students	26.00	38.00	31.00
Z=Total no. of students appeared in the examination	37.00	44.00	25.00
API [X * (Y/Z)]	5.73	7.12	9.50

Average API [(AP1 + AP2 + AP3)/3] : 7.45

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)	7.93	7.73	8.28
Y=Total no. of successful students	31.00	31.00	45.00
Z=Total no. of students appeared in the examination	38.00	31.00	45.00
API [X*(Y/Z)]:	6.47	7.73	8.28

Average API [(AP1 + AP2 + AP3)/3] : 7.49

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	72.00	78.00	72.00
X=No. of students placed	24.00	38.00	28.00
Y=No. of students admitted to higher studies	7.00	10.00	15.00
Z= No. of students taking up entrepreneurship	0.00	0.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	43.06	61.54	61.11

Average Placement Index = (P_1 + P_2 + P_3)/3: 55.24 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. E.SAROJINI	XXXXXXX66P	M.E. and Ph.D.	Anna University	Environmental Engineering	07/07/2000	25.5	Lecturer	Professor	01.06.2012	Regular	Yes		Yes
2	Dr.S.HEMA	XXXXXXX48L	M.E. and Ph.D.	Anna University	Environmental Engineering	29/05/2019	6.7	Associate Professor	Associate Professor	29/05/2019	Regular	Yes		No
3	Dr.S.KANCHANA	XXXXXXX10C	M.E. and Ph.D.	Anna University	Environmental Engineering	29/05/2019	6.7	Associate Professor	Associate Professor	29/05/2019	Regular	Yes		No
4	Mrs.J.JAYASHREE	XXXXXXX03Q	M.E.	Anna University	Geotechnical Engineering	11/04/2022	3.8	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Dr.S.D.ANITHA SELVASOFIA	XXXXXXX70Q	M.E. and Ph.D.	Anna University	Geoinformatics	25/06/2018	7	Assistant Professor	Assistant Professor		Regular	No	07/07/2025	No
6	Mr.V.PARTHIBAN	XXXXXXX41A	M.E.	Anna University	Structural Engineering	01/06/2015	10.8	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Dr.A.DINESH	XXXXXXX15R	M.E. and Ph.D.	Anna University	Structural Engineering	01/06/2017	8.2	Assistant Professor	Assistant Professor		Regular	No	29/08/2025	No
8	Mr.D.RAMAKRISHNAN	XXXXXXX35H	M.E.	Anna University	Structural Engineering	01/06/2015	10.7	Assistant Professor	Assistant Professor		Regular	Yes		No

9	Mr.B.KAMAL	XXXXXXX08Q	M.E.	Anna University	Environmental Engineering	11/06/2015	10.6	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mrs.K.SARANYA	XXXXXXX95A	M.E.	Anna University	Structural Engineering	29/05/2019	6.7	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mrs.S.RAJALAKSHMI	XXXXXXX10G	M.E.	Anna University Annamalai	Structural Engineering Environmental	02/12/2020	5	Assistant Professor Assistant	Assistant Professor Assistant		Regular	Yes		No
12	Mrs.R.MALATHI	XXXXXXX16Q	M.E.	University	Engineering	16/07/2025	0.5	Professor	Professor		Regular	Yes		No
13	Dr.D.VIVEK	XXXXXXX58R	M.E. and Ph.D.	Anna University	Structural Engineering	04/08/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		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 UG1.C UG1.D	66 66	66 66	66 66
UG1: Civil Engineering	66	66	66
DS=Total no. of students in all UG and PG programs in the Department	**198**	**198**	**198**
AS=Total no. of students of all UG and PG programs in allied departments	198 0	198 0	198 0
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 198	**S2=** 198	**S3=** 198
DF=Total no. of faculty members in the Department AF= Total no. of faculty members in the allied Departments			
	11	11	11
	0	0	0

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 11	**F2=** 11	**F3=** 11
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 19.80**	**SFR2= 19.80**	**SFR3= 19.80**
Average SFR for 3 years	**SFR= 19.80**		

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)	3	8	9.00	17.22 20.56 18.89
2024-25(CAYm1)	5	6	9.00	
2023-24(CAYm2)	4	7	9.00	

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	1.00	2.00	2.00	6.00	8.00
2024-25	1.00	1.00	2.00	2.00	6.00	8.00
2023-24	1.00	1.00	2.00	2.00	6.00	8.00
Average	RF1=1.00	AF1=1.00	RF2=2.00	AF2=2.00	RF2=6.00	AF2=8.00

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	Er. P. Karthikeyan, M.E (CEM), IAENG	Founder CEO	Edifice Group	20CE278 Computer Aided Analysis and Design Laboratory	50.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Er.S.Magesh	Founder & Green building consultant	Auger Engineers, Chennai	20CE2E30 Energy Conservation and Management	50.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Er.S.Magesh	Founder & Green building consultant	Auger Engineers, Chennai	20CE2E30 Energy Conservation and Management	50.00

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	4	11	22
2	No. of peer reviewed conference papers published	8	4	5
3	No. of books/book chapters published	4	4	3

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.S.Hema		Civil Engineering	Self -treating sustainable rainwater harvest pipe	Idea to Impact Challenge, IIT Madras	6 months	0.50
Dr.S.D.Anitha Selvasofia		Civil Engineering	Exploring the spatial distribution pattern for mapping soil organic carbon in a farm scale to enhance smart drip irrigation systems	TNSCST Students Project Scheme	6 months	0.00
						Amount received (Rs.):0.50

(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.Indhumathi	Dr.A.Dinesh	Nano	Development and Deployment of Self Sensing Cement Nanocompositefor Real Time Health and Safety Assessments in Infrastructures	MSME-BI	2 years	14.90
						Amount received (Rs.):14.90

(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.P.Moorthi	Mr.A.Dinesh	Nano	Applications of self-sensing cement nano-composite developed using conductive materials for real time structural health monitoring	DST-TDP	2 years	25.53
Dr.S.D.Anitha Selvasofia		Civil Engineering	Lockdown turned 'farm to fork'- dream or reality! Agricultural situation in Thanjavur, India before and after Covid-19	TNSCST Students Project Scheme	6 months	0.00
						Amount received (Rs.):25.53

Total Amount (Lacs) Received for the Past 3 Years: 40.93

Note*:

- Onlysponsoredresearchprojectswillbeconsidered.Infrastructure-based projects will not be considered here.

C8. Consultancy Work

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mrs.J.Jayashree	Mr.B.Kamal	Civil	Pavement quality analysis		1 month	147500.00
						Amount received (Rs.):147500.00

(CAYm2)

(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.S.Hema		Civil Engineering	Net zero- Sustainability Reporting	IAMPL, Bangalore	2022-2023	
						Amount received (Rs.):0

Total amount (Lacs) received for the past 3 years: 147500.00

Note*:

- Onlyconsultancyprojectswillbeconsidered.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.A.Dinesh	Self-Sensing Cement Composites for Structural Health Monitoring Applications	2023-2025	0.38	0.38	Research Article published
Dr.S.Kanchana	Assessment of Azo Dye in Textile Wastewater	2023-2025	0.01	0.01	Research Article published
Mr.B.Kamal	Assessment of the tank water and groundwater quality in Coimbatore region	2023-2024	0.06	0.06	Research Article published
Dr.S.D.Anitha Selvasofia	Microbially-induced self-healing bioconcrete	2023-2024	0.07	0.07	Research Article published
			Amount received (Rs.): 0.52		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr.E.Sarojini	Corrosion prevention of steel structures	2023-2025	0.93	0.63	Research paper
			Amount received (Rs.): 0.93		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr.S.Hema	Indoor Air Quality (IAQ) Monitor	2022-2023	0.65	0.65	Product developed
			Amount received (Rs.): 0.65		

Total amount (Lacs) received for the past 3 years : 2.10

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

D1. Adequate and Well-Equipped Laboratories, and Technical Manpower

Table No.D1.1: List of laboratories and technical manpower.

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Strength of Materials Laboratory	33	1. Universal Testing Machine, 2. Vickers Hardness Testing Machine, 3.Impact Testing Machine	1. 20CE272 - M	J.Parameshwaran	Lab Instructor	B.E – Mechanical Enginee
2	Geotechnical Engineering Laboratory	33	1. Standard Penetration Test 2.Direct Shear Test 3.Unconfined Compression Test 4.Shrinkage Limit	1. 20CE251 - G	D.Barath kumar	Lab Instructor	B.E – Civil Engineering
3	Environmental Engineering Laboratory	33	1.Atomic Absorption spectroscopy 2.Fine Particulate Sampler 3.Digital Flame Photometer4.Kjeldahl Nitrogen	1.20CE222 – W	D.Barath kumar	Lab Instructor	B.E – Civil Engineering

4	Concrete Laboratory	33	1.Compression Testing Machine 2.Ultrasonic Concrete Tester 3.Abrasion Testing Machine 4.Rebound Hammer	1.20CE282 – P	S.Dinesh Kumar	Lab Technician	Diploma – Civil Engineerin
5	Fluid Mechanics and Machinery Laboratory	33	1.Flow measuring devices 2.Pelton wheel turbine 3.Turgo impulse 4.Single and multistage centrifugal	1.20CE273 – F	J.Parameshwaran	Lab Instructor	B.E – Mechanical Enginee
6	Surveying Laboratory	33	1.Differential Global Positioning System 2.Total Station 3.Theodolite 4.Hand Held GPS 5.Dumpy Level	1.20CE204 – G	S.Dinesh Kumar	Lab Technician	Diploma – Civil Engineerin
7	CAD Laboratory	33	1.Computer Systems with Server 2.STAAD Pro. 3.AutoCAD 4.BIM Software 5. Primavera	1.20CE278 – C	R.Naveen prasath	Lab Instructor	B.E – Civil Engineering
8	Transportation Engineering Laboratory	33	1.Loading Machine 2.Marshall Stability Apparatus 3.Deval Attrition Testing Machine 4.Ductility Testing	1.20CE277 – H	R.Naveen prasath	Lab Instructor	B.E – Civil Engineering

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Strength of Materials Laboratory	• General Rules of Conduct and safety measures are displayed. • Appropriate storage areas are denoted. • Disabling or removing safety devices is dangerous and should be avoided. • Any sharp tool or machinery should be used carefully under the supervision of Lab instructor or faculty only. • Carefully inspect all protective equipment prior to use.
2	Geotechnical Engineering Laboratory	• General Rules of Conduct and safety measures are displayed. • Place all the personal belongings out of the work area. • In case of any defect or repair while working in laboratory, immediately report to the teaching assistant. • Carefully read the instructions/ manuals before use of any new equipment.
3	Environmental Engineering Laboratory	• General Rules of Conduct and safety measures are displayed. • Chemicals have to be handled with caution and not to be touched with bare hands. • Concentrated acids such as H_2SO_4, HCl are highly toxic and dangerous and inhaling of the same is prohibited. • Wear gloves and mask while handling any hazardous chemicals. • Remove disposable gloves and wash hands before leaving the laboratory. • Appropriate waste storage areas are designated. • The user's manual should be read carefully and safety precautions to be followed before using the sensitive instruments.
4	Concrete Laboratory	• General Rules of Conduct and safety measures are displayed. • Wet cement is caustic and can cause severe chemical burns to exposed skin and eyes. Hence, it should be dealt with care. • Cement comprises of particles lesser than 45 microns. Always be aware while working with cement. • Place all the personal belongings out of the work area. • In case of any defect or repair while working in laboratory, immediately report to the teaching assistant.
5	Fluid Mechanics and Machinery Laboratory	• General Rules of Conduct and safety measures are displayed. • Prior permission to be obtained before usage of the equipment in the laboratory. • Do not play with valves and fittings of any apparatus. • Any sharp tool or machine should be used carefully under the Supervision of Lab Instructor or Faculty.
6	Surveying Laboratory	• General Rules of Conduct and safety measures are displayed. • Sensitive/expensive Equipment should be used carefully under supervision of Lab instructor or Faculty only. • Do not play with instruments or chain. • Wear proper safety shoes and cap.

7	CAD Laboratory	• General Rules of Conduct and safety measures are displayed. • Periodical servicing of the PC. • Report immediately if there is any damage in the cables and/or any injuries occur. • Avoid stepping on electrical wires or any other computer cables. • Do not open the system unit casing or monitor casing when the power is turned on. • Do not insert metal objects such as clips, pins and needles into the computer casings. • Do not touch, connect or disconnect any plug or cable without laboratory technician's/Lab instructors permission.
8	Transportation Engineering Laboratory	• General Rules of Conduct and safety measures are displayed. • Handle bitumen with necessary safety precautions. • Disabling or removing safety devices is dangerous and should be avoided.

D3. Project Laboratory/Research Laboratory

Project Laboratory/Research Laboratory /Centre of Excellence

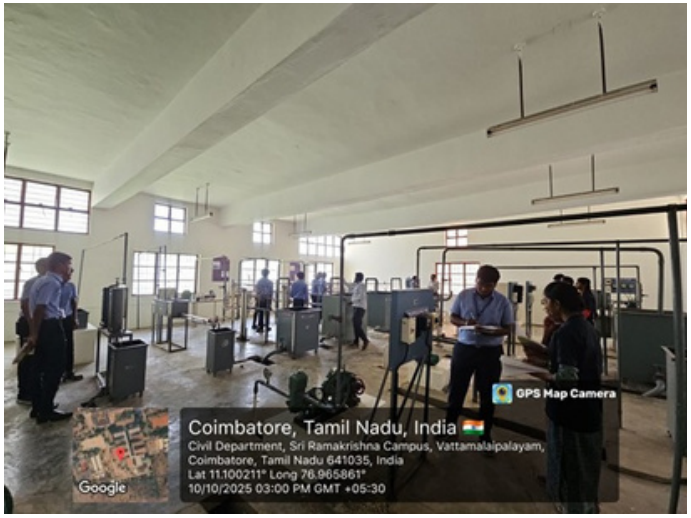
The following facilities serve as hubs for advanced study, skill development, and interdisciplinary collaboration:

- MoUs with the industries for Joint collaboration
- Students shall make use of laboratory facilities at any time.
- Sufficient Funds for the project are provided whenever required
- Opportunity for the students to display their project during SREC INNOVATE and other Open Innovation Day to other college/school students.

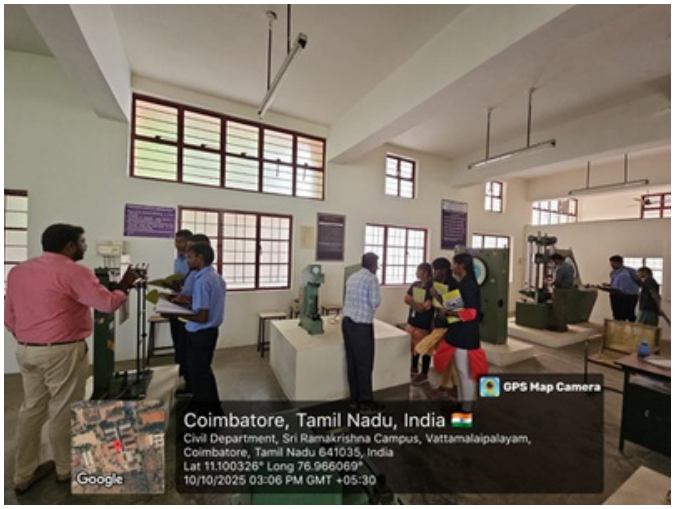
Table No. 7.5.1 Project Laboratory / Research Laboratory / Centre of Excellence

Name of the Laboratory	Facilities	Utilization	Outcomes from the Project Laboratory	Relevance to POs/PSOs
Project Laboratory	• Self-sensing cement composite sensors • QGIS (Open Source) • STAAD Pro. • Unity. (Open source) • Google colab (Open source) • Computer Systems with internet facility • Standard Concrete moulds • Specially Fabricated cube and prism moulds • Electrical Concrete mixer • Hand held GPS. • Atomic Absorption spectroscopy. • Fine Particulate Sampler.	• Mini Project I • Mini Project II • Project Work and Research activities	**Products Developed:** • Self-Sensing Cement Composite made up of Functional/Nano fillers. • Indoor Air Quality Monitor. • Ground Water Potential Map of Cauvery Basin Using GIS. • GIS Map of Health centres in Coimbatore City. • Traffic Network Analysis Map for Coimbatore City. **IITB-AICTE Mapathon** **IITB-FOSSEE Geospatial Mapathon** **TNSCST Funded students projects - 2** **Students Research publications:** • Papers in journals - 13 • Papers in Conferences - 15 **SEED FUND : 2** **PATENTS:** • Granted - 8 • Published-3 • Copy Right - 1	PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO11, PSO1

Laboratory Photographs



Fluid Mechanics and Machinery Laboratory



Strength of Materials Laboratory

Concrete Laboratory

Department Library

PART E: First Year faculty and financial Resources

(Data to befilledinforthefirstyearcoursefacultyandbudgetallocationandutilization)

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)	990	50	40	19	72
2024-25(CAYm1)	990	50	40	20	72
2025-26(CAY)	990	50	38	21	69

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	1223.07	2632.87	1300.00	785.62	175.00	401.13	196.00	45.9
Library	106.00	0	61.51	11.18	60.93	6.36	60.72	5.63
Laboratory equipment	96.74	0.17	155.00	68	122.00	80.31	102.00	139.95
Teaching and non-teaching staff salary	3065.00	1399.05	2910.00	2645.25	2670.00	2694.73	2425.00	2363.92
Outreach Programs	1.5	0.22	1.5	1.40	1.5	1.49	1.5	1.53
R&D	205.3	3.52	42.41	15.26	60.35	20.44	53.25	71
Training, Placement and Industry linkage	435.25	20.72	35.00	3.36	15	20.46	10.00	0.95
SDGs	1.5	1.10	3.0	3.04	0	0	0	0
Entrepreneurship	0.25	0.14	0.5	0.38	0.25	0.19	0.05	0.04
Others, specify	2642.98	1095.63	2325.62	2344.15	1922.11	2524.27	1552.28	1940.98
Total	**7777.59**	**5153.42**	**6834.54**	**5877.64**	**5027.14**	**5749.38**	**4400.80**	**4569.90**

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	3360000	4444670	1190000	252505	820000	450315	280000	527348

Software	670000	0	405000	60829	158000	142480	1120000	1655584
SDGs	50000	6351	30000	9189	0	0	0	0
Support for faculty development	30000	42066	30000	16466	10000	2458	10000	2458
R & D	250000	43314	250000	21240	500000	59983	320000	112237
Industrial Training, Industry expert, Internship	315000	199169	400000	230079	330000	124603	170000	220812
Miscellaneous Expenses*	845000	340077	1020000	467826	465000	560590	450000	66932
Total	**5520000**	**5075647**	**3325000**	**1058134**	**2283000**	**1340429**	**2350000**	**2585371**

Artificial Intelligence and Data Science

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Artificial Intelligence and Data Science	**Discipline**:Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 11437	**Date of Submission**: 29-01-2026

PART A- Profile of the Institute

A1.Name of the Institute: SRI RAMAKRISHNA ENGINEERING COLLEGE	
Year of Establishment : 1994	Location of the Institute: VATTAMALAIPALAYAM COIMBATORE
A2. Institute Address:VATTAMALAIPALAYAM,N.G.G.O.COLONY POST,COIMBATORE-641022	
City:--Select--	State:Tamil Nadu
Pin Code:641022	Website:www.srec.ac.in
Email:PRINCIPAL@SREC.AC.IN	Phone No(with STD Code):0422-3122777
A3. Name and Address of the Affiliating University (if any):	
Name of the University : ANNA UNIVERSITY	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: **11**
- No. of PG programs: **9**

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	Aeronautical Engineering	2008	--	Aeronautical Engineering
2	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Artificial Intelligence and Data Science
3	Engineering & Technology	PG	Artificial Intelligence and Data Science Biomedical Engineering	2023	--	Computer Science and Engineering Biomedical Engineering
4	Engineering & Technology	UG	Civil Engineering	2006	--	Civil Engineering
5	Engineering & Technology	UG	Computer Science & Engineering	2012	--	Computer Science and
6	Engineering & Technology	PG	(Integrated) Computer Science and Engineering	2021	--	Engineering Computer Science and Engineering
7	Engineering & Technology	PG	Computer Science and Engineering	2010	2023	Computer Science and Engineering
8	Engineering & Technology	UG		1994	--	

9	Engineering & Technology	PG	Control and Instrumentation	2013	2024	Electronics and Instrumentation Engineering
10	Engineering & Technology	UG	Electrical & Electronics Engineering	1994	--	Electrical and Electronics Engineering
11	Engineering & Technology	UG	Electronics & Communication Engineering	1994	--	Electronics and Communication Engineering
12	Engineering & Technology	UG	Electronics & Instrumentation Engineering	2001	--	Electronics and Instrumentation Engineering
13	Engineering & Technology	PG	Embedded Systems Technologies	2013	--	Electronics and Communication Engineering
14	Engineering & Technology	UG	Information Technology	1998	--	Information Technology
15	Engineering & Technology	UG	Mechanical Engineering	1994	--	Mechanical Engineering
16	Engineering & Technology	PG	Nano Science & Technology	2012	--	Nano Science and Technology
17	Engineering & Technology	PG	Robotics and Artificial Intelligence	2023	--	Robotics and Automation
18	Engineering & Technology	UG	Robotics and Automation	2019	--	Robotics and Automation
19	Engineering & Technology	PG	VLSI Design	2010	--	Electronics and Communication Engineering
20	Management	PG	Master of Business Administration	2008	--	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
Biomedical Engineering	Ye	Biomedical Engineering	UG
Artificial Intelligence and Data Science	s	Artificial Intelligence and Data Science	UG
Aeronautical Engineering	Ye	Aeronautical Engineering	UG

s

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

Allied Department/Cluster Name	Program Name	Program Level
Computer Science and Engineering	Computer Science & Engineering (Integrated)	PG
Computer Science and Engineering	Computer Science and Engineering	UG
Information Technology Computer	Information Technology	UG
Science and Engineering Computer	Computer Science and Engineering	PG
Science and Engineering	Artificial Intelligence and Data Science	PG

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	Artificial Intelligence and Data Science	UG	2020 / --	60	No	NA	60	2020	F.No. Southern/1-44643177785/2025/EOA Dated: 10-Apr-2025	Applying first time	--	--	0	4

List of the Allied Departments/Cluster and Programs:

SR.NO.	ALLIED DEPARTMENT NAME	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 ACCREDIT
1	Information Technology	Information Technology	UG	1998 / --	120	No	NA	120	1998	F.No. Southern/1-44643177785/2025/EOA Dated: 10-Apr-2025	Granted accreditation for 3 years for the period (specify period)	2025	2028	7
2	Computer Science and Engineering	Artificial Intelligence and Data Science	PG	2023 / --	6	No	NA	6	2023	F.No. Southern/1-44643177785/2025/EOA Dated: 10-Apr-2025	Not eligible for accreditation	--	--	0
3	Computer Science and Engineering	Computer Science and Engineering	PG	2010 / 2023	6	No	NA	6	2010	F.No. Southern/1-40383481872/2023/EOA Dated: 10-Jun-2023	Eligible but not applied	--	--	0
4	Computer Science and Engineering	Computer Science & Engineering (Integrated)	PG	2021 / --	60	No	NA	60	2021	F.No. Southern/1-9322637083/2021/EOA Dated: 02-Jul-2021	Not eligible for accreditation	--	--	0
5	Computer Science and Engineering	Computer Science and Engineering	UG	1994 / --	180	No	NA	180	1994	F.No. Southern/1-44643177785/2025/EOA Dated: 10-Apr-2025	Granted accreditation for 3 years for the period (specify period)	2025	2028	8

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

A. Name of the HoD :	Dr. V. Karpagam
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)	60	60	60	60	60	60	0
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	59	59	60	58	58	52	0
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	5	5	5	5	9	0
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	7	8	5	3	2	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	66	72	70	66	65	61	0

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)	60 60 60	59 59 60	7 8 5	110.00
2024-25 (CAYm1)				111.67
2023-24 (CAYm2)				108.33

Average [(ER1 + ER2 + ER3) / 3] = 110.00≡ 100

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	69.00	0.00
B=No. of students who graduated from the program in the stipulated course duration	61.00	59.00	0.00
Success Rate (SR)= (B/A) * 100	93.85	85.51	0.00

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 89.68

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)	7.77	7.84	7.95
Y=Total no. of successful students	52.00	51.00	47.00
Z=Total no. of students appeared in the examination	59.00	60.00	58.00
API [X*(Y/Z)]	6.85	6.66	6.44

Average API[(AP1+AP2+AP3)/3] : 6.65

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)	7.94	7.80	7.44
Y=Total no. of successful students	51.00	57.00	61.00
Z=Total no. of students appeared in the examination	56.00	52.00	43.00
API [X * (Y/Z)]	7.23	8.55	10.55

Average API [(AP1 + AP2 + AP3)/3] : 8.78

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)	7.79	7.47	8.26
Y=Total no. of successful students	57.00	61.00	59.00
Z=Total no. of students appeared in the examination	57.00	61.00	59.00
API [X*(Y/Z)]:	7.79	7.47	8.26

Average API [(AP1 + AP2 + AP3)/3] : 7.84

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	69.00	0.00
X=No. of students placed	36.00	40.00	0.00
Y=No. of students admitted to higher studies	2.00	5.00	0.00
Z= No. of students taking up entrepreneurship	1.00	1.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	60.00	66.67	0.00

Average Placement Index = (P_1 + P_2 + P_3)/3: 63.34 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. Karpagam	XXXXXXX10J	Ph.D	Anna University	Information and Communication Engineering	15/07/1998	27.6	Lecturer	Professor	01/06/2015	Regular	Yes		Yes
2	Dr. J. Anitha	XXXXXXX77Q	Ph.D	Anna University	Information and Communication Engineering	01/06/2002	23.8	Lecturer	Professor	01/07/2025	Regular	Yes		No
3	Mrs. P.V. Kavitha	XXXXXXX51C	M.E.	Anna University	Computer Science and Engineering	16/06/2008	17.6	Lecturer	Assistant Professor		Regular	Yes		No
4	Dr.M.Logaprakash	XXXXXXX28R	Ph.D	Anna University	Information and Communication Engineering	17/02/2021	4.11	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Mrs.A.Kayalvizhi	XXXXXXX64L	M.Tech	Anna University	Information Technology	02/06/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mrs.K.Sudha	XXXXXXX68E	M.E.	Anna University	Computer Science and Engineering	28/07/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mrs.C.Kavitha	XXXXXXX19G	M.Tech	Bharath University	Information Technology	05/12/2022	3	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mrs.R.Rampriya	XXXXXXX74Q	M.E.	Anna University	Software Engineering	09/02/2023	2.10	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mr.K.B.Lingkash	XXXXXXX43G	M.E.	Anna University	Biometric and Cybersecurity	04/10/2024	1.2	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mrs.V.Gomathi Sankari	XXXXXXX70Q	M.E.	Anna University	Computer Science and Engineering	05/12/2024	1	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mrs.D.Devipriya	XXXXXXX52G	M.E.	Anna University	Computer Science and Engineering	02/06/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mrs.M.Divya	XXXXXXX97R	M.Tech	Anna University	Robotics and Artificial Intelligence	09/06/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No

13	Dr.B. Suganya	XXXXXXX56G	Ph.D	Anna University	Information and Communication Engineering	25/07/2022	2.10	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
14	Mrs. K. Archana	XXXXXXX29R	M.E.	Anna University	Software Engineering	07/12/2020	4.5	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
15	Mrs.K.B. Shobana	XXXXXXX62L	M.E.	Anna University	Computer Science and Engineering	20/01/2024	1.4	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
16	Mr. A. Vishnu Prasath	XXXXXXX22A	M.E.	Anna University	Computer Science and Engineering	07/12/2020	2.11	Assistant Professor	Assistant Professor		Regular	No	25/11/2023	No

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

Sr.No	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time of Joining in this Institution	Present Designation	The date onwhich Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently (Y/N)	Incaseof NO, Date of Leaving	IS HOD?
1	Dr. M. S. Geetha Devasena	XXXXXXX32R	XXXXXXXXX654	Ph.D	Anna University	Information and Communication Engineering	16/10/1997	28.2	Assistant Professor	Professor	01/10/2013	Regular	Yes		Yes
2	Dr. P. Perumal	XXXXXXX89A	XXXXXXXXX805	Ph.D	Anna University	Information and Communication Engineering	11/05/1999	26.7	Assistant Professor	Professor	01/06/2015	Regular	Yes		No
3	Dr. R. Kingsy Grace	XXXXXXX00R	XXXXXXXXX414	Ph.D	Anna University	Information and Communication Engineering	01/06/2005	20.7	Assistant Professor	Professor	01/07/2025	Regular	Yes		No
4	Dr. B. Mathivanan	XXXXXXX74B	XXXXXXXXX415	Ph.D	Anna University	Information and Communication Engineering	15/12/1999	26	Assistant Professor	Associate Professor	02/04/2012	Regular	Yes		No
5	Dr.R. Madhumathi	XXXXXXX11F	XXXXXXXXX346	Ph.D	Anna University	Software Engineering	13/04/2005	20.8	Assistant Professor	Associate Professor	01/02/2023	Regular	Yes		No
6	Mr. S. Suresh Kumar	XXXXXXX68P	XXXXXXXXX824	M.E.	Anna University	Computer Science and Engineering	02/07/2008	17.6	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mrs. S. Prince Sahaya Brighty	XXXXXXX08N	XXXXXXXXX159	M.E.	Anna University		17/06/2009	16.5	Assistant Professor	Assistant Professor		Regular	No	01/12/2025	No

8	Mrs. S. Ezhilin Freeda	XXXXXXX93C	XXXXXXXXX326	M.E.	Anna University	Computer Science and Engineering Software	14/06/2010	15.6	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mr. V. Krishna Kumar	XXXXXXX47L	XXXXXXXXX067	M.E.	Anna University	Engineering	19/08/2011	14.4	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mrs. G. Rathi	XXXXXXX51L	XXXXXXXXX927	M.E.	Anna University	Computer Science and Engineering	16/07/2012	13.5	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mrs. C. Padmavathy	XXXXXXX90B	XXXXXXXXX422	M.E.	Anna University	Computer Science and Engineering	03/06/2013	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mrs. P. Sugantha Priyadharshini	XXXXXXX93L	XXXXXXXXX233	M.E.	Anna University	Computer Science and Engineering	03/06/2013	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mrs. A. Shanmugapriya	XXXXXXX52D	XXXXXXXXX355	M.E.	Anna University	Computer Science and Engineering	11/06/2014	11.6	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mr. G. Narendran	XXXXXXX54B	XXXXXXXXX828	M.E.	Anna University	Computer Science and Engineering	15/12/2014	11	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Mr. R. S. Vishnu Durai	XXXXXXX07K	XXXXXXXXX304	M.E.	Anna University	Computer Science and Engineering	01/06/2015	10.7	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Mrs. S. Birundha	XXXXXXX50Q	XXXXXXXXX687	M.E.	Anna University	Computer Science and Engineering	01/06/2016	9.7	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Mrs. K. Ranjeethapriya	XXXXXXX92L	XXXXXXXXX278	M.E.	Anna University	Computer Science and Engineering	21/02/2022	3.10	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mrs. M. Shanthini	XXXXXXX17Q	XXXXXXXXX498	M.E.	Karpagam University	Computer Science and Engineering	17/08/2022	3.4	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Mrs. M. Dhivyashree	XXXXXXX86H	XXXXXXXXX817	M.E.	Anna University	Computer Science and Engineering	14/06/2023	2.7	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Ms. T. Nithya Shree	XXXXXXX00E	XXXXXXXXX790	M.E.	Anna University	Computer Science and Engineering	07/12/2020	5	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Mrs. C. Sowntharya	XXXXXXX32E	XXXXXXXXX340	M.E.	Anna University		19/07/2021	4.6	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Mrs. G. Anusha	XXXXXXX56C	XXXXXXXXX380	M.E.	Anna University		13/06/2022	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No

23	Mrs. K. Sona	XXXXXXX44R	XXXXXXXXX803	M.E.	Anna University	Software Engineering	18/12/2023	2.1	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Mr. Y. M. Isman Khan	XXXXXXX63P	XXXXXXXXX021	M.E.	Anna University	Computer Science and Engineering	05/06/2024	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Mr. M. Velmurugan	XXXXXXX40H	XXXXXXXXX268	M.E.	Anna University	Computer Science and Engineering	14/06/2024	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
26	Mrs. M. Amutha Surabi	XXXXXXX25C	XXXXXXXXX617	M.E.	Anna University	Computer Science and Engineering	21/06/2024	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
27	Mr. N. Manoj	XXXXXXX05K	XXXXXXXXX109	M.E.	Anna University	Computer Science and Engineering	02/07/2024	1.5	Assistant Professor	Assistant Professor		Regular	Yes		No
28	Ms. A. Ishwarya	XXXXXXX27J	XXXXXXXXX924	M.E.	Anna University	Computer Science and Engineering	02/07/2024	1.5	Assistant Professor	Assistant Professor		Regular	Yes		No
29	Dr. A. Grace Selvarani	XXXXXXX46H	XXXXXXXXX432	Ph.D	Anna University	Information and Communication Engineering	03/06/2002	23.8	Assistant Professor	Professor	01/06/2011	Regular	Yes		No
30	Dr. J. Selvakumar	XXXXXXX06B	XXXXXXXXX631	Ph.D	Anna University	Information and Communication Engineering	09/06/2008	17.7	Assistant Professor	Professor	01/10/2013	Regular	Yes		No
31	Dr. R. Anuradha	XXXXXXX48G	XXXXXXXXX530	Ph.D	Anna University	Information and Communication Engineering	11/06/2009	16.7	Assistant Professor	Professor	01/06/2024	Regular	Yes		No
32	Dr. S. Hari Hara Gopalan	XXXXXXX38F	XXXXXXXXX108	Ph.D	Anna University	Information and Communication Engineering	09/06/2008	17.7	Assistant Professor	Associate Professor	01/12/2018	Regular	Yes		No
33	Dr. P. Mathiyalagan	XXXXXXX90N	XXXXXXXXX706	Ph.D	Anna University	Information and Communication Engineering	20/05/2013	12.8	Associate Professor	Professor	01/07/2025	Regular	Yes		No
34	Dr. R. Vijayakumar	XXXXXXX90D	XXXXXXXXX958	Ph.D	Anna University	Computer Science and Engineering	20/08/2007	18.5	Assistant Professor	Associate Professor	01/07/2025	Regular	Yes		No
35	Mrs. R. S. Ramya	XXXXXXX00F	XXXXXXXXX912	M.E.	Anna University		01/07/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No

36	Mrs. A. Mahalakshmi	XXXXXXX12M	XXXXXXXXX146	M.E.	Anna University	Computer Science and Engineering	08/05/2023	2.8	Assistant Professor	Assistant Professor		Regular	Yes		No
37	Mrs. K. Dhanashree	XXXXXXX29N	XXXXXXXXX723	M.E.	Anna University	Computer Science and Engineering	19/07/2021	4.6	Assistant Professor	Assistant Professor		Regular	Yes		No
38	Mrs. M. Indira Priyadharshini	XXXXXXX51R	XXXXXXXXX473	M.E.	Anna University	Computer Science and Engineering	22/07/2021	4.4	Assistant Professor	Assistant Professor		Regular	No	10/12/2025	No
39	Ms. G. Priyanka	XXXXXXX87M	XXXXXXXXX255	M.E.	Anna University	Computer Science and Engineering	11/11/2022	3.2	Assistant Professor	Assistant Professor		Regular	Yes		No
40	Mrs. N. Alagusundari	XXXXXXX59C	XXXXXXXXX016	M.E.	Anna University	Computer Science and Engineering	03/05/2023	2.8	Assistant Professor	Assistant Professor		Regular	Yes		No
41	Mrs. T. Thenmozhi	XXXXXXX80M	XXXXXXXXX109	M.E.	Anna University	Computer Science and Engineering	11/07/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
42	Mrs.N. Nandhini shree	XXXXXXX96H	NA	M.E.	Anna University	Computer Science and Engineering	16/02/2023	2.11	Assistant Professor	Assistant Professor		Regular	Yes		No
43	Mrs. P. Monisha	XXXXXXX04L	XXXXXXXXX618	M.E.	Anna University	Biometric and Cybersecurity	01/03/2023	2.10	Assistant Professor	Assistant Professor		Regular	Yes		No
44	Ms. D. Hamithra Jothi	XXXXXXX77K	XXXXXXXXX485	M.E.	Anna University		03/01/2024	2	Assistant Professor	Assistant Professor		Regular	Yes		No
45	Mrs. H. Nishanthi	XXXXXXX36G	XXXXXXXXX847	M.E.	Anna		24/01/2024	2	Assistant Professor	Assistant Professor		Regular	Yes		No
46	Mrs. J. Jeba Prathicka	XXXXXXX66G	XXXXXXXXX016	M.E.	Anna University	Computer Science and Engineering	26/02/2024	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No
47	Ms.S.Varsha	XXXXXXX10R	NA	M.E.	Anna University	Computer Science and Engineering	05/06/2024	1.1	Assistant Professor	Assistant Professor		Regular	No	11/07/2025	No
48	Dr.V.Saveetha	XXXXXXX07F	XXXXXXXXX192	Ph.D	Anna University	Information and Communication Engineering	02/06/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
49	Dr.T.Manoj Praphakar	XXXXXXX55P	XXXXXXXXX803	Ph.D	Anna University	Information and Communication Engineering	11/06/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No

50	Ms.R.Nandhini	XXXXXXX91P	XXXXXXXXX857	M.E.	Anna University	Artificial Intelligence and Data Science	16/06/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
51	Ms.S.Sathya	XXXXXXX59A	XXXXXXXXX039	M.E.	Anna University	Artificial Intelligence and Data Science	16/06/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
52	Mrs. S. Aarthi	XXXXXXX72A	NA	M.E.	Anna University	Computer Science and Engineering	19/01/2023	1.1	Assistant Professor	Assistant Professor		Regular	No	01/03/2024	No
53	Mrs.H.Sowmya	XXXXXXX99Q	XXXXXXXXX422	M.E.	Anna University	Computer Science and Engineering	15/12/2025	0.1	Assistant Professor	Assistant Professor		Regular	Yes		No
54	Dr.M.Nivaashni	XXXXXXX98M	NA	Ph.D	Anna University	Information and Communication Engineering	19/01/2023	0.10	Assistant Professor	Assistant Professor		Regular	No	15/12/2023	No
55	Mrs.M.Karthiga	XXXXXXX22L	NA	M.E.	Anna University	Computer Science and Engineering	15/05/2014	9.5	Assistant Professor	Assistant Professor		Regular	No	31/10/2023	No
56	Mrs. S. Sivaranjini	XXXXXXX07R	NA	M.Tech	Anna University	Information Technology	01/09/2022	0.10	Assistant Professor	Assistant Professor		Regular	No	28/07/2023	No
57	Mr.T.Chithra Kumar	XXXXXXX75D	NA	M.E.	Anna University	Computer Science and Engineering	01/10/2015	8.5	Assistant Professor	Assistant Professor		Regular	No	28/03/2024	No
58	Ms.R.Pavithra	XXXXXXX38P	NA	M.E.	Anna University	Computer Science and Engineering	31/07/2017	6.9	Assistant Professor	Assistant Professor		Regular	No	30/04/2024	No
59	Dr. M. Senthamil Selvi	XXXXXXX14R	XXXXXXXXX069	Ph.D	Anna University	Information and Communication Engineering	05/05/2003	22.7	Assistant Professor	Professor	01/10/2012	Regular	No	01/12/2025	No
60	Dr.N.Susila	XXXXXXX70G	XXXXXXXXX949	Ph.D	Anna University	Information and Communication Engineering	02/06/2025	0.6	Professor	Professor		Regular	Yes		No
61	Dr. K. Deepa	XXXXXXX53B	XXXXXXXXX099	Ph.D	Anna University	Information and Communication Engineering	01/06/2002	23.7	Assistant Professor	Professor	02/12/2013	Regular	Yes		No
62	Dr. M. Kalaiarasu	XXXXXXX27N	XXXXXXXXX017	Ph.D	Anna University		28/08/2000	25.4	Assistant Professor	Professor	01/07/2025	Regular	Yes		No

63	Dr. Preethi Harris	XXXXXXX97L	XXXXXXXXX809	Ph.D	Anna University	Information and Communication Engineering	25/07/2001	24.5	Assistant Professor	Associate Professor	02/04/2012	Regular	Yes		No
64	Dr. N. Suresh Kumar	XXXXXXX70Q	XXXXXXXXX086	Ph.D	Anna University	Information and Communication Engineering	03/11/2005	20.2	Assistant Professor	Associate Professor	01/02/2023	Regular	Yes		No
65	Dr. S. Bhaggiaraj	XXXXXXX92H	XXXXXXXXX407	Ph.D	Anna University	Information and Communication Engineering	19/06/2009	16.6	Assistant Professor	Associate Professor	01/02/2023	Regular	Yes		No
66	Dr. J. Angel Ida Chellam	XXXXXXX35Q	XXXXXXXXX320	Ph.D	Anna University	Information and Communication Engineering	22/06/2009	16.6	Assistant Professor	Associate Professor	01/02/2023	Regular	Yes		No
67	Dr. N. Saranya	XXXXXXX10K	XXXXXXXXX075	Ph.D	Anna University	Computer Science and Engineering	17/07/2009	16.5	Assistant Professor	Assistant Professor		Regular	Yes		No
68	Mrs. S. S. Sugantha Mallika	XXXXXXX64L	XXXXXXXXX379	M.E.	Anna University	Biometric and Cybersecurity	25/07/2011	14.5	Assistant Professor	Assistant Professor		Regular	Yes		No
69	Mr. G. Ram Sundar	XXXXXXX03K	XXXXXXXXX910	M.E.	Anna University	Computer Science and Engineering	29/05/2019	6.7	Assistant Professor	Assistant Professor		Regular	Yes		No
70	Mrs. S. Jansi Rani	XXXXXXX28B	XXXXXXXXX123	M.E.	Anna University	Computer Science and Engineering	31/12/2012	13	Assistant Professor	Assistant Professor		Regular	Yes		No
71	Mr. S. Jeevanandham	XXXXXXX08B	XXXXXXXXX464	M.E.	Anna University	Information Technology	23/06/2023	2.6	Assistant Professor	Assistant Professor		Regular	Yes		No
72	Ms. R. Rajalakshmi	XXXXXXX23F	XXXXXXXXX170	M.Tech	Anna University	Computer Science and Engineering	15/02/2021	4.10	Assistant Professor	Assistant Professor		Regular	Yes		No
73	Ms. M. Preethi	XXXXXXX58H	XXXXXXXXX994	M.E.	Anna University	Networks and Internet Engineering	01/03/2021	4.10	Assistant Professor	Assistant Professor		Regular	Yes		No
74	Mrs. M. Princy	XXXXXXX26N	XXXXXXXXX307	M.Tech	Karunya University	Remote Sensing	19/09/2023	2.3	Assistant Professor	Assistant Professor		Regular	Yes		No
75	Mr. S. Sivaraj	XXXXXXX02P	XXXXXXXXX191	M.Tech	Anna University	Computer Science and Engineering	22/02/2024	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No
76	Ms. K. Sindhu	XXXXXXX19M	XXXXXXXXX966	M.E.	Anna University		13/05/2024	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No

77	Ms. A. Selva Priya	XXXXXXX41E	XXXXXXXXX035	M.E.	Anna University	Computer Science and Engineering	13/05/2024	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
78	Mr. R. Hari Prakash	XXXXXXX26P	XXXXXXXXX308	M.E.	Anna University	Biometric and Cybersecurity	03/06/2024	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
79	Mrs. V. Muthulakshmi	XXXXXXX28A	XXXXXXXXX301	M.E.	Anna University	Computer Science and Engineering	12/07/2024	1.5	Assistant Professor	Assistant Professor		Regular	Yes		No
80	Mrs. S. Kanmani	XXXXXXX44B	XXXXXXXXX877	M.E.	Anna University	Computer Science and Engineering	18/07/2024	1.5	Assistant Professor	Assistant Professor		Regular	Yes		No
81	Dr. C. Ranjeeth Kumar	XXXXXXX51L	NA	Ph.D	Anna University	Information and Communication Engineering	02/06/2010	13.11	Assistant Professor	Associate Professor	01/02/2023	Regular	No	30/04/2024	No
82	Dr.M.Priyadharsini	XXXXXXX08G	NA	Ph.D	Anna University	Information and Communication Engineering	23/06/2008	15.11	Assistant Professor	Assistant Professor		Regular	No	24/05/2024	No
83	Dr. I. Mettildha Mary	XXXXXXX19Q	NA	Ph.D	Anna University	Information and Communication Engineering	14/07/2008	15.10	Assistant Professor	Assistant Professor		Regular	No	24/05/2024	No
84	Dr. T.N. Prabhu	XXXXXXX85M	NA	Ph.D	Anna University	Computer Science and Engineering	17/06/2009	14.11	Assistant Professor	Assistant Professor		Regular	No	24/05/2024	No
85	Ms. S. Shanthini	XXXXXXX48B	NA	M.E.	Anna University	Computer Science and Engineering	01/06/2023	1	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
86	Mrs.P.Divya Prabha	XXXXXXX02P	XXXXXXXXX759	M.E.	Anna University		01/12/2021	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No

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 Department3 No. of PG Programs in the Department3

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

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B UG1.C UG1.D	66 65 65	65 65 65	65 65 66
UG1: Artificial Intelligence and Data Science	**196**	**195**	**196**
UG2.B UG2.C UG2.D	198 194	194 196	196 196
UG2: Computer Science and Engineering	196	196	196
UG3.B UG3.C UG3.D	**588**	**586**	**588**
UG3: Information Technology	132 129	129 131	131 132
DS=Total no. of students in all UG and PG programs in the Department AS=Total no. of	131	132	131
students of all UG and PG programs in allied departments S=Total no. of students in the	**392**	**392**	**394**
Department (DS) and allied departments (AS) DF=Total no. of faculty members in the	196 1292	195 1230	196 1168
Department AF= Total no. of faculty members in the allied Departments F=Total no. of	**S1=** 1488	**S2=** 1425	**S3=** 1364
faculty members in the Department (DF) and allied Departments (AF) FF=The faculty	12 70	9 68	8 57
members in F who have a 100% teaching load in the first-year courses Student Faculty	**F1=**	**F2=**	**F3=**
Ratio (SFR)=S/(F-FF) Average SFR for 3 years			
	82	77	65
	8	8	8
	SFR1= 20.11	**SFR2= 20.65**	**SFR3= 23.93**
	SFR= 21.56		

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)	24	58	74.00	15.95

2024-25(CAYm1)	23	54	71.00	15.70
2023-24(CAYm2)	23	42	68.00	14.63

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	8.00	12.00	16.00	8.00	49.00	62.00
2024-25	7.00	8.00	15.00	11.00	47.00	58.00
2023-24	7.00	7.00	15.00	13.00	45.00	45.00
Average	RF1=7.33	AF1=9.00	RF2=15.33	AF2=10.67	RF2=47.00	AF2=55.00

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Suresh Rajappa	Executive Director	KPMG, USA	20AD201 - Data Analytics	26.00
2	Dr. Suresh Rajappa	Executive Director	KPMG, USA	20AD204 - Machine Learning	26.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Sivakarthikeyan Krishnan	Senior Manager	Capgemini Engineering, Coimbatore	20AD201 - Data Analytics	26.00
2	Mr. Sivakarthikeyan Krishnan	Senior Manager	Capgemini Engineering, Coimbatore	20IT210 - Project Management	26.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Milind Arvind Bhinge	Product Security Architect	L&T Technology Services, Pune	20AD214 - Blockchain Technologies	50.00

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	1	1	3
2	No. of peer reviewed conference papers published	6	2	2
3	No. of books/book chapters published	2	2	1

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

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
NIL	NIL	NIL	NIL	NIL	NIL	0.00
						Amount received (Rs.):0.00

(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.M.Senthamil Selvi	-	Department of AI&DS	Automatic Incubator with separate setter and hatcher for poultry farming	Unnat Bharat Abhiyan (UBA)	1 Year	1.00
						Amount received (Rs.):1.00

Total Amount (Lacs) Received for the Past 3 Years: 1.00

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.J.Anitha	Dr.Anuradha, Dr. Ranjeeth Kumar	AIDS,CSE & IT	Embedded AI Frameworks	L&T Technology Services	18 months	9.00
						Amount received (Rs.):9.00

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
NIL	NIL	NIL	NIL	NIL	NIL	0.00
						Amount received (Rs.):0.00

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

Total amount (Lacs) received for the past 3 years: 9.00

Note*:

- Onlyconsultancyprojectswillbeconsidered.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
NIL	NIL	NIL	0.00	0.00	NIL
			Amount received (Rs.): 0.00		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
NIL	NIL	NIL	0.00	0.00	NIL
			Amount received (Rs.): 0.00		

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

Total amount (Lacs) received for the past 3 years : 0.00

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	AI&DS Laboratory I	74	Asus Intel i7 – 60 Nos, HP Z1 Desktop Workstation – 10 Nos, HP Pro 400 G9 Business Tower Desktop- 05	Odd semester:	Mrs.V. Subalakshmi, Mr.M	Programmer	B.Sc-Computer Science, B

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	AI&DS Lab I	A.Basic safety measures 1.Do's and Don'ts boards are displayed in every lab to ensure safe practices. 2.First aid kit and fire equipment are available and accessible. 3.The prescribed dress code is followed within the laboratory. 4.Lab work spaces are maintained in a clean and organized at all times. 5.Power cables are neatly arranged to prevent tripping and overheating. B. Lab specific safety measures 1.Computer systems are protected with updated antivirus software and endpoint security measures. 2.Authorized login credentials are used to access systems, ensuring safe and controlled usage. 3.Regular system updates and preventive maintenance activities are carried out. 4.Installation of unauthorized software, modification of system configuration and access to unsafe or unauthorized websites are not permitted. 5.Maintenance registers are maintained to record system usage, issues and corrective actions taken. 6.Systems and Power supply are properly shut down after use to prevent damage.
2	AI&DS BYOD Lab	A.Basic safety measures 1.Do's and Don'ts boards are displayed in every lab to ensure safe practices. 2.First aid kit and fire equipment are available and accessible. 3.The prescribed dress code is followed within the laboratory. 4.Lab work spaces are maintained in a clean and organized at all times. 5.Power cables are neatly arranged to prevent tripping and overheating. B. Lab specific safety measures 1.Edge devices are operated under the guidance of faculty or technical staff. 2.Connections and disconnections of components are carried out with proper care. 3.Power supply is properly shut down after use.
3	Centre of Excellence in Artificial Intelligence and Robotics	A.Basic safety measures 1.Do's and Don'ts boards are displayed in every lab to ensure safe practices. 2.First aid kit and fire equipment are available and accessible. 3.The prescribed dress code is followed within the laboratory. 4.Lab work spaces are maintained in a clean and organized at all times. 5.Power cables are neatly arranged to prevent tripping and overheating. B. Lab specific safety measures 1.GPU server access is provided through authorized login credentials. 2.Software, drivers and updates are installed with approval. 3.Adequate cooling and ventilation are maintained to prevent overheating. 4.Power supply is properly shut down after use.

D3. Project Laboratory/Research Laboratory

7.5. Project Laboratory/Research Laboratory /Centre of Excellence

- AI&DS BYOD lab
- Centre of Excellence in Artificial Intelligence and Robotics

A. Project laboratory The AI&DS BYOD lab is available for students, faculty and PhD research scholars to carry out academic and research-oriented project work. The lab is equipped with edge computing devices such as the NVIDIA Jetson Orin Nano Development Board, Arduino Uno R3 Development Board, Raspberry Pi and sensor kit to support embedded systems, IoT, robotics related projects. These equipments were procured in R2025 specifically to support practical implementation for the Foundations of Robotics and Disruptive Technology course. In addition, high-performance NVIDIA GPU systems required for advanced AI and Deep Learning applications are available in the Centre of Excellence laboratory. The GPU infrastructure also supports containerization technologies, enabling secure and isolated access to GPU resources. Through container-based environments, multiple users can run AI models safely and efficiently without affecting the base system, ensuring data security, reproducibility, and optimized GPU utilization. Students can access these laboratories during working hours with prior approval, ensuring a conducive environment for experimentation, development, and implementation of innovative project ideas under faculty guidance. **B. Centre of Excellence** The Department has established a Centre of Excellence in Artificial Intelligence and Robotics in collaboration with Craftsman Automation Limited. The Centre is equipped with advanced computing infrastructure, including high-performance GPU servers powered by NVIDIA L40S graphics cards. The laboratory is providing a dedicated, industry aligned environment that supports teaching, training, research, prototype development and innovation in emerging AI technologies.
The GPU server is integrated with NVIDIA L40S GPU cards, built on the Ada Lovelace architecture, these GPUs deliver exceptional computational capability for Artificial Intelligence, Machine Learning, Deep Learning, Data Science, Generative AI, Computer Vision, Natural Language Processing, Robotics and high performance computing applications. Each GPU card is equipped with 48GB GDDR6 ECC memory, enabling the processing of large datasets and AI models. The GPU systems are accessible over the institutional intranet, allowing students, researchers and faculty members to execute complex AI workloads efficiently. The entire laboratory is CCTV monitored to ensure security, proper utilization of high value equipment and safe research practices. Students and faculty members can access the Centre during project hours with prior approval. Overall, the Centre of Excellence provides a high performance AI ecosystem that fosters innovation, hands on learning, industry collaboration and advanced research exposure in modern AI and robotics domains.
C. Utilization of Project Laboratory / Centre of Excellence The AI&DS BYOD Laboratory and the Centre of Excellence in Artificial Intelligence and Robotics are utilized by students faculty members and research scholars for project works, research oriented work, hackathons, innovation challenges and funded research activities. Students actively use advanced facilities such as the NVIDIA L40S GPU server for training deep learning models, executing high computation AI experiments, running large language models and performing data-intensive analytics tasks. The high performance GPU infrastructure enables efficient model training, inference, simulation and deployment of real time AI applications. The laboratories are also effectively utilized by Ph.D. scholars for advanced research experimentation, publication-oriented research work, interdisciplinary collaborations and consultancy projects. Faculty mentors guide students and research scholars in leveraging both GPU computing resources and embedded platforms for innovative product development, proof of concept models and industry relevant solutions. This integrated utilization of high-performance AI infrastructure and embedded systems ensures optimal use of the facilities while fostering innovation, research excellence and practical skill development. **D. Relevance to POs/PSOs** The resources in the BYOD Lab and Centre of Excellence help students solve complex Engineering problems aligned with POs and PSOs. Students have utilized these facilities to address industry provided problem statements from companies Cognizant Technology Solutions(CTS) and SELSOFT.

Table No.7.5.1: Utilization Details

S.No	Title of the Project	PO Mapping	PSO Mapping
1.	Disease Detection – Tumors	PO1, PO2, PO3, PO5, PO9,PO10,PO11	PSO1, PSO2, PSO3
2.	Predicting Hospital Readmissions	PO1, PO2, PO3, PO5, PO7,PO9,PO10,PO11	PSO1,PSO2, PSO3
3.	Predicting Medical Equipment Failure	PO1, PO2, PO3, PO5, PO9,PO10,PO11	PSO1, PSO2
4.	Age Prediction	PO1,PO2,PO3,PO5,PO6,PO8, PO9,PO10,PO11	PSO1,PSO2, PSO3
5.	Real-time Sentiment Detection in Video Interviews	PO1, PO2, PO3, PO4,PO5, PO9, PO10,PO11	PSO1, PSO2, PSO3
6.	Suspicious Behaviour Detection in Video Interviews	PO1, PO2, PO3, PO4,PO5, PO9, PO10,PO11	PSO1, PSO2, PSO3
7.	Memory System for AI Agents (RL- based retrieval)	PO1, PO2, PO3, PO4,PO5, PO9, PO10,PO11	PSO1, PSO2

PART E: First Year faculty and financial Resources

(Data to befilledinforthefirstyearcoursefacultyandbudgetallocationandutilization)

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)	990	50	40	19	72
2024-25(CAYm1)	990	50	40	20	72
2025-26(CAY)	990	50	38	21	69

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	1223.07	2632.87	1300.00	785.62	175.00	401.13	196.00	45.90
Library	106.00	0.00	61.51	11.18	60.93	6.36	60.72	5.63
Laboratory equipment	96.74	0.17	155.00	68.00	122.00	80.31	102.00	139.95
Teaching and non-teaching staff salary	3065.00	1399.05	2910.00	2645.25	2670.00	2694.73	2425.00	2363.92
Outreach Programs	1.5	0.22	1.5	1.40	1.5	1.49	1.5	1.53
R&D	205.30	3.52	42.41	15.26	60.35	20.44	53.25	71.00
Training, Placement and Industry linkage	435.25	20.72	35.00	3.36	15.00	20.46	10.00	0.95
SDGs	1.5	1.10	3.0	3.04	0.00	0.00	0.00	0.00
Entrepreneurship	0.25	0.14	0.5	0.38	0.25	0.19	0.05	0.04
Others, specify	2642.98	1095.63	2325.62	2344.15	1922.11	2524.27	1552.28	1940.98

Total	**7777.59**	**5153.42**	**6834.54**	**5877.64**	**5027.14**	**5749.38**	**4400.80**	**4569.90**

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	551700	557108	5288300	4906866	7045000	6592255	871000	251424
Software	277000	0	24500	728343	4341	4342	15000	0
SDGs	30000	8233	85000	3282	0	0	0	0
Support for faculty development	120000	53586	25000	28000	120000	26810	100000	13544
R & D	120000	25947	120000	20359	25000	13111	120000	0
Industrial Training, Industry expert, Internship	275000	230655	80000	134277	160500	143342	385000	119404
Miscellaneous Expenses*	1169200	253242	230000	212103	295820	105814	302000	102428
Total	**2542900**	**1128771**	**5852800**	**6033230**	**7650661**	**6885674**	**1793000**	**486800**

Aeronautical Engineering

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Aeronautical Engineering	**Discipline**:Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 11437	**Date of Submission**: 29-01-2026

PART A- Profile of the Institute

A1.Name of the Institute: SRI RAMAKRISHNA ENGINEERING COLLEGE	
Year of Establishment : 1994	Location of the Institute: VATTAMALAIPALAYAM COIMBATORE
A2. Institute Address:VATTAMALAIPALAYAM,N.G.G.O.COLONY POST,COIMBATORE-641022	
City:--Select--	State:Tamil Nadu
Pin Code:641022	Website:www.srec.ac.in
Email:PRINCIPAL@SREC.AC.IN	Phone No(with STD Code):0422-3122777
A3. Name and Address of the Affiliating University (if any):	
Name of the University : ANNA UNIVERSITY	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: **11**
- No. of PG programs: **9**

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	Aeronautical Engineering	2008	--	Aeronautical Engineering
2	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Artificial Intelligence and Data Science
3	Engineering & Technology	PG	Artificial Intelligence and Data Science Biomedical Engineering	2023	--	Computer Science and Engineering Biomedical Engineering
4	Engineering & Technology	UG	Civil Engineering	2006	--	Civil Engineering
5	Engineering & Technology	UG	Computer Science & Engineering	2012	--	Computer Science and
6	Engineering & Technology	PG	(Integrated) Computer Science and Engineering	2021	--	Engineering Computer Science and Engineering
7	Engineering & Technology	PG	Computer Science and Engineering	2010	2023	Computer Science and Engineering
8	Engineering & Technology	UG		1994	--	

9	Engineering & Technology	PG	Control and Instrumentation	2013	2024	Electronics and Instrumentation Engineering
10	Engineering & Technology	UG	Electrical & Electronics Engineering	1994	--	Electrical and Electronics Engineering
11	Engineering & Technology	UG	Electronics & Communication Engineering	1994	--	Electronics and Communication Engineering
12	Engineering & Technology	UG	Electronics & Instrumentation Engineering	2001	--	Electronics and Instrumentation Engineering
13	Engineering & Technology	PG	Embedded Systems Technologies	2013	--	Electronics and Communication Engineering
14	Engineering & Technology	UG	Information Technology	1998	--	Information Technology
15	Engineering & Technology	UG	Mechanical Engineering	1994	--	Mechanical Engineering
16	Engineering & Technology	PG	Nano Science & Technology	2012	--	Nano Science and Technology
17	Engineering & Technology	PG	Robotics and Artificial Intelligence	2023	--	Robotics and Automation
18	Engineering & Technology	UG	Robotics and Automation	2019	--	Robotics and Automation
19	Engineering & Technology	PG	VLSI Design	2010	--	Electronics and Communication Engineering
20	Management	PG	Master of Business Administration	2008	--	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
Biomedical Engineering	Ye	Biomedical Engineering	UG
Artificial Intelligence and Data Science	s	Artificial Intelligence and Data Science	UG
Aeronautical Engineering	Ye	Aeronautical Engineering	UG

s

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

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	Aeronautical Engineering	UG	2008 / --	60	Yes	2021	30	2021	F.No.Southern/1-44643177785/2025/EOA Date of Approval:10-April-2025	Granted accreditation for 3 years for the period (specify period)	2023	2026	1	4

Sanctioned Intake for Last Five Years for the Aeronautical Engineering	
Academic Year	**Sanctioned Intake**
2025-26 2024-25 2023-24 2022-23 2021-22 2020-21	30 30 30 30 30 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.P.Chandramohan
B. Nature of appointment:	Regular
C. Qualification:	M.E. and 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	30	30	30	30	60	60
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	30	30	29	28	26	25	39
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	1	1	4	3	2	2
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	2	2	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	33	30	32	29	27	41

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)	30	30	2	106.67
2023-24 (CAYm2)	30	29	0	96.67

Average [(ER1 + ER2 + ER3) / 3] = 103.34≡ 100

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).	33.00	62.00	62.00
B=No. of students who graduated from the program in the stipulated course duration	25.00	27.00	37.00
Success Rate (SR)= (B/A) * 100	75.76	43.55	59.68

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 59.66

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)	7.79	7.85	7.42
Y=Total no. of successful students	32.00	29.00	28.00
Z=Total no. of students appeared in the examination	32.00	29.00	28.00
API [X*(Y/Z)]	7.79	7.85	7.42

Average API[(AP1+AP2+AP3)/3] : 7.69

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)	8.03	6.84	6.72
Y=Total no. of successful students	29.00	32.00	25.00
Z=Total no. of students appeared in the examination	30.00	32.00	29.00
API [X * (Y/Z)]	7.76	6.84	5.79

Average API [(AP1 + AP2 + AP3)/3] : 6.80

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)	6.72	7.78	7.28
Y=Total no. of successful students	32.00	25.00	27.00
Z=Total no. of students appeared in the examination	32.00	25.00	27.00
API [X*(Y/Z)]:	6.72	7.78	7.28

Average API [(AP1 + AP2 + AP3)/3] : 7.26

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	33.00	62.00	62.00
X=No. of students placed	22.00	17.00	30.00
Y=No. of students admitted to higher studies	0.00	3.00	2.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	66.67	32.26	51.61

Average Placement Index = (P_1 + P_2 + P_3)/3: 50.18 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.P.Chandramohan	XXXXXXX48K	M.E. and Ph.D.	Anna University	Metallurgical Engineering	01/06/2017	8.7	Professor	Professor	01/06/2017	Regular	Yes		Yes
2	Dr.C.I.Thomas Renald	XXXXXXX24B	M.E. and Ph.D.	Anna University	Thermal Engineering	03/01/2008	18	Lecturer	Professor	01/07/2025	Regular	Yes		No
3	Mr.R.Sivakumar	XXXXXXX75A	M.E.	Karpagam University	Aeronautical Engineering	08/06/2011	14.6	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Mr.C.Dinesh	XXXXXXX12D	M.E.	Karpagam University	Aeronautical Engineering	02/09/2011	14.4	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Mr.P.Sivakumar	XXXXXXX89H	M.E.	Anna University	Aeronautical Engineering	03/11/2014	11.1	Assistant Professor	Assistant Professor		Regular	Yes		No

6	Mr.R.Velmurugan	XXXXXXX87A	M.E.	Anna University	Aeronautical Engineering	19/06/2015	10.6	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mr.V.Siva	XXXXXXX51Q	M.E.	Anna University	Aeronautical Engineering	22/06/2015	10.6	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr.T.Ashokkumar	XXXXXXX29M	M.E.	Anna University	Aeronautical Engineering	26/06/2015	10.6	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mr.K.Robin Johny	XXXXXXX60J	M.Tech	Hindustan University	Aeronautical Engineering	01/08/2016	9.5	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Dr.J.David Rathnaraj	XXXXXXX05F	M.E. and Ph.D.	Bharathiar University	Thermal Power	09/08/2010	14	Professor	Professor	09/08/2010	Regular	No	06/08/2024	No
11	Dr.R.RangaRaj	XXXXXXX24C	M.E. and Ph.D.	Anna University	CAD/CAM	03/06/2013	11.7	Assistant Professor	Assistant Professor		Regular	No	21/01/2025	No
12	Mr.R.K.Jayakumar	XXXXXXX66D	M.E.	Anna University	Thermal Engineering	08/06/2015	9.6	Assistant Professor	Assistant Professor		Regular	No	31/12/2024	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 UG1.C UG1.D	31	31	33
UG1: Aeronautical Engineering DS=Total no. of students in all UG and PG programs in the Department	31	33	33
	33	33	62
	95 95	**97** 97	**128** 128

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
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=** 95	**S2=** 97	**S3=** 128
DF=Total no. of faculty members in the Department	9 0	9 0	12
AF= Total no. of faculty members in the allied Departments			0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 9	**F2=** 9	**F3=** 12
FF=The faculty members in F who have a 100% teaching load in the first-year courses	2	2	2
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 13.57**	**SFR2= 13.86**	**SFR3= 12.80**
Average SFR for 3 years	**SFR= 13.41**		

C3. Faculty Qualification

- Faculty qualification index (FQI) = 2.5 * [(10X +4Y)/RF] where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = 2.5 x [(10X + 4Y) / RF)]
2025-26(CAY)	2	7	4.00	30.00 30.00 30.00
2024-25(CAYm1)	2	7	4.00	
2023-24(CAYm2)	4	8	6.00	

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	1.00	0.00	3.00	7.00
2024-25	1.00	1.00	1.00	1.00	3.00	7.00
2023-24	1.00	2.00	1.00	1.00	4.00	9.00
Average	RF1=1.00	AF1=1.67	RF2=1.00	AF2=0.67	RF2=3.33	AF2=7.67

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.Amogh Warhapande	Head, HRD (Learning and Development)	Sonovision-Aetos, Bengaluru.	20AE2E19- Aviation Safety	50.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.D.Navin Prabhu	Senior Trainer	Garuda Aerospace Pvt. Ltd, Chennai.	20AE2E27-UAS: Safety, Rules and Ethics	50.00

(CAYm3)

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	3	5
2	No. of peer reviewed conference papers published	1	0	0
3	No. of books/book chapters published	0	0	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.Chandramohan	Dr.R.Raghu	Aeronautical Engineering	Alleviation of black skin formation on anodizing of Additive Manufactured (AM) AlSi10Mg alloy components and enhancement of corrosion performance	ARDB	2 YEARS	22.35
Dr.C.J.Thomas Renald	-	Aeronautical Engineering	Design and Fabrication of Self driven smokeless mud stove	Tamilnadu council for Science and Technology	-	0.08
						Amount received (Rs.):22.43

(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.J.David Rathnaraj	Dr.C.J.Thomas Renald	Aeronautical Engineering	Conduct of Physical mode Six days FDP on CAE 351- Design of UAV Systems	Centre for Faculty & Professional Development, Anna University, Chennai	-	0.35
						Amount received (Rs.):0.35

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

Total Amount (Lacs) Received for the Past 3 Years: 22.78

Note*:

- Onlysponsoredresearchprojectswillbeconsidered.Infrastructure-based projects will not be considered here.

C8. Consultancy Work

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.P.Chandramohan		Aeronautical Engineering	Artificial Intelligence based LASER Engraving system	Indo shell cast Pvt Ltd	7 Months	1.32
						Amount received (Rs.):1.32

(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
						Amount received (Rs.):0

(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
						Amount received (Rs.):0

Total amount (Lacs) received for the past 3 years: 1.32

Note*:

- Onlyconsultancyprojectswillbeconsidered.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
Mr. K. Robin Johny	Numerical Simulation of Propellant Slurry Casting	12 months	1.00	0.99	Journal Published in SCI
Mr.V.Siva	Study and Investigation on Flow changes in Y-duct configuration with varying inlet diameters	6 months	0.06	0.06	Journal published in Scopus
			Amount received (Rs.): 1.06		

(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.C.Dinesh	Material testing	3 months	0.04	0.04	Journal published in Scopus
Mr.V.Siva	Design and Fabrication of Light weight tank for Agro drones	6 months	0.20	0.20	Journal published in Scopus
Mr.V.Siva	Cooling of turbine stator blade using air cycle machine	3 months	0.05	0.05	Journal published in Scopus
Mr.C.Dinesh	Evaluation of mechanical properties of 3D printed PETG and Polyamide (6) polymers	4 months	0.03	0.03	Journal published in SCI
			Amount received (Rs.): 0.32		

(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
			Amount received (Rs.): 0		

Total amount (Lacs) received for the past 3 years : 1.38

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	Aerodynamics laboratory	3	Low speed Subsonic Wind Tunnel Airfoil Models Sphere and cylinders Pressure Sensor	20AE276 (2ho	Mr. Mohanraj D	Instructor	BE
2	CAD laboratory	1	Computer Systems Servers Catia V5R19 3D Experience SolidWorks Matlab R2015b ANSYS 3D	20IT291 (2ho	Mr. Aravind	Instructor	MCA

3	Aircraft Structures laboratory	3	Beam Test Setup Photo Elastic Bench Apparatus Wagner beam Vibration Beam Setup Compression	20AE277 (2 ho	Mr. Mohanraj D	Instructor	BE
4	Propulsion Laboratory	3	Forced Convection apparatus Free Convection apparatus Free jet and Wall jet apparatus Propeller test	20AE278 (2 ho	Mr. Sabari D	Skilled Assistant	ITI
5	Aircraft Maintenance Laboratory	3	R11 Tumansky Jet Engine Ly combing Engine Husky Two seater Aircraft Cessna 152 Two-seater Aircraft	20AE280 (2ho	Mr. Sabari D	Skilled Assistant	ITI
6	UAV Laboratory	3	BLDC Motors Quadcopter Frame RC Simulator LiPo Batteries Radio control units FPV System Matlab and	20AE279, 20AE	Mr. Gunasekaran S	UAV Pilot	RPC
7	Avionics Laboratory	2	MIL-STD Data Bus Aircraft Simulator	20AE280 (2ho	Mr. Gunasekaran S	UAV Pilot	RPC

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Aerodynamics laboratory	The wind tunnel is equipped with an emergency stop button.
2	CAD laboratory	The UPS system is placed in an isolated cabin. The Fire Extinguisher is placed near the entrance of the Laboratory
3	Aircraft Structures laboratory	Shoes are to be worn during the lab hours to avoid injuries due to slotted weights.
4	Propulsion Laboratory	The Fire Extinguisher is placed at an easily accessible location. Casing is mounted in the propellor test bench equipment
5	Aircraft hangar	A warning sign is placed to safeguard from the sharp trailing edge of the wing. Chokes are placed and tires are maintained flat to avoid the movement of the aircraft Do’s and Don'ts boards are displayed.
6	UAV Laboratory	Propellers are removed when storing the UAV. Throttle kill switch is programmed in every transmitter.

7	Avionics Laboratory	Single start stop button is provided in a bright red color for the flight simulator

D3. Project Laboratory/Research Laboratory

Every Laboratory in the department supports research and development of projects. The Project laboratory is a dedicated space with 5 high end Computers possessing software that aid student research. The lab also possesses high speed internet connection and a wireless network for the students to connect their own devices. The lab can accommodate 15 student devices, like laptops.

A. PROJECT LABORATORY

Figure No. 7.5.1: Project Laboratory

Table No. 7.5.1: Project Laboratory Facilities

S. No	Facility	Outcome	Relevance to PO
1	5 Computers equipped with Modeling and simulation Software.	Students gain hands-on experience using industry-relevant tools, enabling complex modeling, analysis, and solution development for real-world problems.	PO1, PO2
2	High-Speed Internet Connection.	Facilitates students in accessing global research databases like technical articles, and cloud-based resources, supporting them to stay updated in their area of research with literature surveys and aid them with cutting-edge design and development.	PO4, PO5, PO9, PO10, PO11
3	Wireless Network accommodating up to 15 Student Devices.	This facility aids the Bring Your Own Device (BYOD) environment promoting collaborative learning and continuous workflow. It ensures that students can efficiently work on their projects as a team, using their preferred tools and sharing data seamlessly.	PO4, PO5, PO9, PO10
4	Department Library	Provides a collection of volumes and titles that aids in student projects and interdisciplinary R&D activities.	PO9, PO11

B. CENTRE OF EXCELLENCE The Department has the center of excellence for UAV. The CoE Supports student projects, aiding students in participating in the competitions and to develop solutions to industrial problem statements. The experience gained by the students
from the CoE has aided them to get placed in core domain. Most students connected with CoE have been placed in industries that concentrate on drones as their products. The positions of the students include UAV Pilot, R&D Engineer and drone Assembly Engineer. MoU has been signed with SKYX AEROSPACE PVT LTD., Coimbatore and Garudan Unmanned Systems Pvt. Ltd, Coimbatore to support CoE.

Figure No. 7.5.2: Students Placed at Zulu Defence Systems

Figure No. 7.5.3: Falcon, A model developed by the CoE for a National Level Competition

PART E: First Year faculty and financial Resources

(Data to befilledinforthefirstyearcoursefacultyandbudgetallocationandutilization)

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)	990	50	40	19	72
2024-25(CAYm1)	990	50	40	20	72

2025-26(CAY)	990	50	38	21	69

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	1223.07	2632.87	1300.00	785.62	175.00	401.13	196.00	45.90
Library	106.00	0	61.51	11.18	60.93	6.36	60.72	5.63
Laboratory equipment	96.74	0.17	155.00	68.00	122.00	80.31	102.00	139.95
Teaching and non-teaching staff salary	3065.00	1399.05	2910.00	2645.25	2670.00	2694.73	2425.00	2363.92
Outreach Programs	1.5	0.22	1.5	1.40	1.5	1.49	1.5	1.53
R&D	205.30	3.52	42.41	15.26	60.35	20.44	53.25	71.00
Training, Placement and Industry linkage	435.25	20.72	35.00	3.36	15.00	20.46	10.00	0.95
SDGs	1.5	1.10	3.0	3.04	0	0	0	0
Entrepreneurship	0.25	0.14	0.5	0.38	0.25	0.19	0.05	0.04
Others, specify	2642.98	1095.63	2325.62	2344.15	1922.11	2524.27	1552.28	1940.98
Total	**7777.59**	**5153.42**	**6834.54**	**5877.64**	**5027.14**	**5749.38**	**4400.80**	**4569.90**

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	2760000	1495132	1870200	412016	450000	345035	260000	1076853
Software	1000000	184554	100000	0.00	150000	0.00	100000	0.00
SDGs	50000	54022	150000	142425	0.00	0.00	0.00	0.00
Support for faculty development	525000	137020	136550	13861	100000	160452	75000	45487

R & D	300000	17385	100000	17429	500000	252335	1270000	263693
Industrial Training, Industry expert, Internship	195000	78260	100000	265875	100000	30600	100000	234635
Miscellaneous Expenses*	650000	655779	150000	70394	515000	455227	595000	592136
Total	**5480000**	**2622152**	**2606750**	**922000.00**	**1815000.00**	**1243649.00**	**2400000.00**	**2212804.00**

Biomedical Engineering

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Biomedical Engineering	**Discipline**:Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 11437	**Date of Submission**: 29-01-2026

PART A- Profile of the Institute

A1.Name of the Institute: SRI RAMAKRISHNA ENGINEERING COLLEGE	
Year of Establishment : 1994	Location of the Institute: VATTAMALAIPALAYAM COIMBATORE
A2. Institute Address:VATTAMALAIPALAYAM,N.G.G.O.COLONY POST,COIMBATORE-641022	
City:--Select--	State:Tamil Nadu
Pin Code:641022	Website:www.srec.ac.in
Email:PRINCIPAL@SREC.AC.IN	Phone No(with STD Code):0422-3122777
A3. Name and Address of the Affiliating University (if any):	
Name of the University : ANNA UNIVERSITY	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: **11**
- No. of PG programs: **9**

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	Aeronautical Engineering	2008	--	Aeronautical Engineering
2	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Artificial Intelligence and Data Science
3	Engineering & Technology	PG	Artificial Intelligence and Data Science Biomedical Engineering	2023	--	Computer Science and Engineering Biomedical Engineering
4	Engineering & Technology	UG	Civil Engineering	2006	--	Civil Engineering
5	Engineering & Technology	UG	Computer Science & Engineering (Integrated)	2012	--	Computer Science and Engineering
6	Engineering & Technology	PG	Computer Science and Engineering	2021	--	Computer Science and Engineering
7	Engineering & Technology	PG	Computer Science and Engineering	2010	2023	Computer Science and Engineering
8	Engineering & Technology	UG		1994	--	

9	Engineering & Technology	PG	Control and Instrumentation	2013	2024	Electronics and Instrumentation Engineering
10	Engineering & Technology	UG	Electrical & Electronics Engineering	1994	--	Electrical and Electronics Engineering
11	Engineering & Technology	UG	Electronics & Communication Engineering	1994	--	Electronics and Communication Engineering
12	Engineering & Technology	UG	Electronics & Instrumentation Engineering	2001	--	Electronics and Instrumentation Engineering
13	Engineering & Technology	PG	Embedded Systems Technologies	2013	--	Electronics and Communication Engineering
14	Engineering & Technology	UG	Information Technology	1998	--	Information Technology
15	Engineering & Technology	UG	Mechanical Engineering	1994	--	Mechanical Engineering
16	Engineering & Technology	PG	Nano Science & Technology	2012	--	Nano Science and Technology
17	Engineering & Technology	PG	Robotics and Artificial Intelligence	2023	--	Robotics and Automation
18	Engineering & Technology	UG	Robotics and Automation	2019	--	Robotics and Automation
19	Engineering & Technology	PG	VLSI Design	2010	--	Electronics and Communication Engineering
20	Management	PG	Master of Business Administration	2008	--	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
Biomedical Engineering	Ye	Biomedical Engineering	UG
Artificial Intelligence and Data Science	s	Artificial Intelligence and Data Science	UG
Aeronautical Engineering	Ye	Aeronautical Engineering	UG

s

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

Allied Department/Cluster Name	Program Name	Program Level
Electronics and Communication Engineering	Electronics & Communication Engineering	UG
Electronics and Communication Engineering	Embedded Systems Technologies	PG
Electronics and Communication Engineering	VLSI Design	PG
Electronics and Instrumentation Engineering	Control and Instrumentation	PG
Robotics and Automation Robotics and Automation Electronics and Instrumentation Engineering	Robotics and Artificial Intelligence	PG
	Robotics and Automation	UG
	Electronics & Instrumentation Engineering	UG

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	Biomedical Engineering	UG	2006 / --	60	No	NA	60	2006	F.No. Southern/1-44643177785/2025/EOA , Dated 10th April 2025	Granted accreditation for 3 years for the period (specify period)	2023	2026	4	4

List of the Allied Departments/Cluster and Programs:

SR.NO.	ALLIED DEPARTMENT NAME	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 PROGR ACCRE
1	Robotics and Automation	Robotics and Artificial Intelligence	PG	2023 / --	6	No	NA	6	2023	F.No. Southern/1-44643177785/2025/EOA , Dated 10th April 2025	Not eligible for accreditation	--	--	0
2	Robotics and Automation	Robotics and Automation	UG	2019 / --	60	No	NA	60	2019	F.No. Southern/1-44643177785/2025/EOA , Dated 10th April 2025	Granted accreditation for 3 years for the period (specify period)	2026	2028	1
3	Electronics and Instrumentation Engineering	Electronics & Instrumentation Engineering	UG	2001 / --	60	No	NA	60	2001	F.No. Southern/1-44643177785/2025/EOA , Dated 10th April 2025	Granted accreditation for 3 years for the period (specify period)	2025	2028	7
4	Electronics and Communication Engineering	VLSI Design	PG	2010 / --	18	Yes	2020	6	2020	F.No. Southern/1-44643177785/2025/EOA , Dated 10th April 2025	Eligible but not applied	--	--	0

SR.NO.	ALLIED DEPARTMENT NAME	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 PROGR ACCRE
Sanctioned Intake for Last Five Years for the VLSI Design														
Academic Year			**Sanctioned Intake**											
2025-26 2024-25 2023-24 2022-23 2021-22 2020-21			6 6 6 6 6 6											
5	Electronics and Communication Engineering	Embedded Systems Technologies	PG	2013 / --	18	Yes	2020	6	2020	F.No. Southern/1-44643177785/2025/EOA , Dated 10th April 2025	Eligible but not applied	--	--	0
Sanctioned Intake for Last Five Years for the Embedded Systems Technologies														
Academic Year			**Sanctioned Intake**											
2025-26 2024-25 2023-24 2022-23 2021-22 2020-21			6 6 6 6 6 6											
6	Electronics and Communication Engineering	Electronics & Communication Engineering	UG	1994 / --	40	Yes	2011	180	2011	F.No. Southern/1-44643177785/2025/EOA , Dated 10th April 2025	Granted accreditation for 3 years for the period (specify period)	2025	2028	7
7	Electronics and Instrumentation Engineering	Control and Instrumentation	PG	2013 / 2024	18	Yes	2020	0	2013	F.No. Southern/1-7003101581/2020/EOA/ Corrigendum-1 Date:09-Jul-2020	Eligible but not applied	--	--	0
Sanctioned Intake for Last Five Years for the Control and Instrumentation														
Academic Year			**Sanctioned Intake**											
2025-26 2024-25 2023-24 2022-23 2021-22 2020-21			0 0 6 6 6 6											

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

A. Name of the HoD :	Dr.N.Sathish Kumar
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)	60	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	60	51	55	56	52	45	48
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	2	0	1	1	1	1
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	1	0	0	2	0	1	2
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	61	53	55	59	53	47	51

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)	60 60 60	60 51 55	1 0 0	101.67 85.00 91.67
2024-25 (CAYm1)				
2023-24 (CAYm2)				

Average [(ER1 + ER2 + ER3) / 3] = 92.78≡ 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).	61.00	61.00	61.00
B=No. of students who graduated from the program in the stipulated course duration	48.00	45.00	51.00
Success Rate (SR)= (B/A) * 100	78.69	73.77	83.61

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 78.69

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)	7.99	8.11	7.95
Y=Total no. of successful students	39.00	34.00	46.00
Z=Total no. of students appeared in the examination	51.00	55.00	56.00
API [X*(Y/Z)]	6.25	5.01	6.53

Average API[(AP1+AP2+AP3)/3] : 5.93

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)	7.89	8.01	7.89
Y=Total no. of successful students	48.00	39.00	48.00
Z=Total no. of students appeared in the examination	34.00	47.00	34.00
API [X * (Y/Z)]	11.14	6.65	11.14

Average API [(AP1 + AP2 + AP3)/3] : 9.64

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)	7.87	7.88	8.16
Y=Total no. of successful students	39.00	48.00	45.00
Z=Total no. of students appeared in the examination	39.00	48.00	45.00
API [X*(Y/Z)]:	7.87	7.88	8.16

Average API [(AP1 + AP2 + AP3)/3] : 7.97

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	61.00	61.00	61.00
X=No. of students placed	38.00	27.00	31.00
Y=No. of students admitted to higher studies	10.00	13.00	7.00
Z= No. of students taking up entrepreneurship	2.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	81.97	65.57	62.30

Average Placement Index = (P_1 + P_2 + P_3)/3: 69.95 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.N.Sathish Kumar	XXXXXXX84J	Ph.D	Anna University	Information and Communication Engineering	20/06/2025	0.6	Professor	Professor	20/06/2025	Regular	Yes		Yes
2	Dr.L.Dhiviyalakshmi	XXXXXXX17R	Ph.D	Anna University	Technology	15/07/2009	16.5	Lecturer	Assistant Professor		Regular	Yes		No
3	Mrs.G.Lavanya	XXXXXXX92J	M.E.	Avinashilingam Institute for Homescience and higher education for women	Medical Electronics	07/06/2012	13.6	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Dr.R.Saranya	XXXXXXX16D	Ph.D	Anna University	Information and Communication Engineering	03/08/2022	3.4	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Mr.S.Vigneshwaran	XXXXXXX39P	M.E.	Anna University	Applied Electronics	11/07/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mrs.A.Rasheedha	XXXXXXX25M	M.E.	Anna University	Applied Electronics	05/05/2023	2.7	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Dr.P.VishnuVardhan	XXXXXXX56H	Ph.D	Sastra University	Biomaterials	03/01/2024	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Dr.Shilpajoy	XXXXXXX12D	Ph.D	Cochin University of Science and Technology	Science	16/06/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Dr.A..Mahalakshmi	XXXXXXX67G	Ph.D	Sastra University	Biotechnology	11/06/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mrs.R.S.Karthika Shivaani	XXXXXXX32R	M.Tech	Amrita University	Biomedical Engineering	04/08/2025	0.4	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mrs.K.Chamundeswari	XXXXXXX67G	M.Tech	Anna University	Nanotechnology	07/07/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No

12	Dr.Deepa B Prabhu	XXXXXXX77R	Ph.D	Anna University	Technology	13/11/2019	6.1	Assistant Professor	Associate Professor	01/02/2023	Regular	Yes		No
13	Dr.B.Sharmila	XXXXXXX07C	Ph.D	Anna University	Electrical Engineering	31/08/2007	17.9	Professor	Professor	01/06/2015	Regular	No	20/06/2025	No
14	Mrs.S. Sree Sanjanaa Bose	XXXXXXX87D	M.Tech	Amrita University	Biomedical Engineering	12/03/2022	2.2	Assistant Professor	Assistant Professor		Regular	No	04/06/2024	No
15	Ms.P.Raja RajeswariChandni	XXXXXXX00N	M.E.	Avinashilingam Institute for Homescience and higher education for women	Medical Electronics	18/07/2023	1.10	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
16	Ms.V.Vivekitha	XXXXXXX58H	M.E.	Anna University	Biomedical Engineering	30/08/2023	1.9	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
17	Dr.M.JeevithaPriya	XXXXXXX99J	Ph.D	Anna University	Technology	30/08/2023	1.10	Assistant Professor	Assistant Professor		Regular	No	14/07/2025	No
18	Dr.V.Ramamurthy	XXXXXXX82N	Ph.D	Texas University	Science	21/09/2020	2.11	Professor	Professor		Regular	No	05/09/2023	No
19	Dr.L.Priya	XXXXXXX18G	Ph.D	Anna University	Information and Communication Engineering	19/07/2021	2.9	Associate Professor	Associate Professor		Regular	No	30/04/2024	No
20	Mr.P.Venkatesh	XXXXXXX40F	M.Tech	Anna University	Biotechnology	03/06/2016	7.3	Assistant Professor	Assistant Professor		Regular	No	02/09/2023	No
21	Dr.V.Radhika	XXXXXXX97K	Ph.D	Anna University	Information and Communication Engineering	10/06/2024	1.6	Associate Professor	Associate Professor	10/06/2024	Regular	Yes		No

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

Sr.No	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time of Joining in this Institution	Present	The date on which Designated as Professor/ Associate Professor if any	Natureof Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO,Date of Leaving	IS HOD?
1	Dr.R.Shanmugasundram	XXXXXXX14G	XXXXXXXXX073	Ph.D	Jawaharlal Nehru Technological University	Electrical and Electronics	01/06/2004	21.7	Assistant Professor	Professor	01/06/2015	Regular	Yes		Yes
2	Dr.K.Srinivasan	XXXXXXX13M	XXXXXXXXX558	Ph.D	Anna University	Electrical Engineering	31/05/2004	21.5	Assistant Professor	Professor	01/06/2012	Regular	No	21/11/2025	Yes
3	Dr.V.Rukkumani	XXXXXXX77R	XXXXXXXXX898	Ph.D	Anna University	Electrical Engineering	03/11/2005	20.2	Assistant Professor	Associate Professor	01/06/2016	Regular	Yes		No

4	Dr.D.Devasena	XXXXXXX32E	XXXXXXXXX847	Ph.D	Anna University	Information and Communication Engineering	04/07/2007	18.6	Assistant Professor	Associate Professor	18/06/2024	Regular	Yes		No
5	Dr.Y.Dharshan	XXXXXXX27L	XXXXXXXXX240	Ph.D	Anna University	Electrical Engineering	03/06/2011	14.7	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Dr.M.Nagarajapandian	XXXXXXX16A	XXXXXXXXX968	Ph.D	Anna University	Electrical Engineering	01/02/2012	13.11	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Dr.T.Anitha	XXXXXXX96Q	XXXXXXXXX585	Ph.D	Anna University	Electrical Engineering	03/06/2013	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mrs.R.Kiruba	XXXXXXX40N	XXXXXXXXX304	M.E.	Anna University	Control & Instrumentation	01/08/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mr.C.Mathan	XXXXXXX82F	XXXXXXXXX625	M.E.	Anna University	Control & Instrumentation	10/06/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mr.P.Balaji	XXXXXXX35L	XXXXXXXXX633	M.E.	Anna University	Embedded System Technologies	20/02/2023	2.10	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mr.I.Aravindaguru	XXXXXXX71K	XXXXXXXXX858	M.E.	Anna University	Instrumentation Engineering	20/06/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mr.P.Veeramani	XXXXXXX96M	XXXXXXXXX027	M.Tech	SRM Institute of Science and Technology	Electronics and Control Engineering	24/06/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mrs.M.Saranya	XXXXXXX63A	XXXXXXXXX372	M.E.	Anna University	Control & Instrumentation	06/03/2023	2.9	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mrs.S.Kayalvizhi	XXXXXXX64H	XXXXXXXXX435	M.E.	Anna University	VLSI Design	07/12/2020	5	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Dr.V.Radhika	XXXXXXX97K	XXXXXXXXX091	Ph.D	Anna University	Information and Communication Engineering	19/01/2009	15.4	Assistant Professor	Associate Professor	01/08/2018	Regular	No	10/06/2024	No
16	Dr.B.Sharmila	XXXXXXX07C	XXXXXXXXX338	Ph.D	Anna University	Electrical Engineering	31/08/2007	18.4	Assistant Professor	Professor	20/06/2025	Regular	Yes		No
17	Dr.A.Murugarajan	XXXXXXX07P	XXXXXXXXX446	Ph.D	Anna University	Mechanical Engineering	27/11/2000	25.1	Assistant Professor	Professor	01/10/2012	Regular	Yes		No
18	Dr. R.Sudhakar	XXXXXXX13G	XXXXXXXXX722	Ph.D	Anna University	Mechanical Engineering	01/12/2009	16.1	Assistant Professor	Associate Professor	02/12/2019	Regular	Yes		No
19	Dr.A.Kishorekumar	XXXXXXX62B	XXXXXXXXX274	Ph.D	Anna University	Information and Communication Engineering	24/11/2021	4.1	Assistant Professor	Associate Professor	01/07/2025	Regular	Yes		No
20	Dr.M.S.Suresh kumar	XXXXXXX36D	XXXXXXXXX156	Ph.D	Anna University	Mechanical Engineering	01/12/2009	16.1	Assistant Professor	Assistant Professor		Regular	Yes		No

21	Dr.G.Ranjitham	XXXXXXX98D	XXXXXXXXX802	Ph.D	Anna University	Information and Communication Engineering	04/12/2025	0	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Mr.S. Sarveswaran	XXXXXXX40L	XXXXXXXXX506	M.E.	Anna University	Engineering Design	11/12/2019	6	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Dr..G.Hemalatha	XXXXXXX13P	XXXXXXXXX940	Ph.D	Anna University	Mechanical Engineering	19/07/2021	4.5	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Mrs.N.Dheerthi	XXXXXXX91D	XXXXXXXXX888	M.E.	Anna University	Embedded System Technologies	19/07/2021	4.5	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Mrs.J.M.Priyadharsheni	XXXXXXX80K	XXXXXXXXX182	M.Tech	Sathyabama University	Information Technology	10/08/2022	3.4	Assistant Professor	Assistant Professor		Regular	Yes		No
26	Mr.A.Peniel Winifred Raj	XXXXXXX00L	XXXXXXXXX412	M.E.	Karunya University	Robotics and Automation	02/06/2022	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No
27	Dr.S.Krishnakumar	XXXXXXX38B	XXXXXXXXX888	Ph.D	Anna University	Information and Communication Engineering	02/06/2023	3.7	Assistant Professor	Assistant Professor		Regular	No	31/12/2026	No
28	Mrs.K.Prashanthini	XXXXXXX81J	XXXXXXXXX103	M.E.	Anna University	Industrial Automation and Robotics	19/09/2023	2.3	Assistant Professor	Assistant Professor		Regular	Yes		No
29	Ms.K.Roobini	XXXXXXX71B	NA	M.E.	Anna University	Embedded Systems Technologies	24/05/2024	1.6	Assistant Professor	Assistant Professor		Regular	No	28/11/2025	No
30	Ms.R.Deeksha	XXXXXXX26L	XXXXXXXXX465	M.E.	Anna University	Mechanical Engineering	04/08/2025	0.4	Assistant Professor	Assistant Professor		Regular	Yes		No
31	Dr.K.Arunkumar	XXXXXXX14F	NA	Ph.D	Anna University	Mechanical Engineering	21/08/2013	10.3	Assistant Professor	Assistant Professor		Regular	No	02/12/2023	No
32	Dr.M.Jagadeeswari	XXXXXXX19B	XXXXXXXXX676	Ph.D	Anna University	Information and Communication Engineering	03/02/1999	26.11	Assistant Professor	Professor	01/06/2011	Regular	Yes		No
33	Dr.S.Jayanthy	XXXXXXX14R	XXXXXXXXX210	Ph.D	Anna University		01/07/1998	27.6	Assistant Professor	Professor	01/10/2012	Regular	Yes		No
34	Mr.M.Selvaganesh	XXXXXXX23A	XXXXXXXXX460	M.E.	Anna University	VLSI Design	21/01/2019	6.11	Assistant Professor	Assistant Professor		Regular	Yes		No
35	Mr.P.Mohanraj	XXXXXXX98F	XXXXXXXXX929	M.E.	Anna University	Applied Electronics	03/08/2022	3.4	Assistant Professor	Assistant Professor		Regular	Yes		No
36	Dr.A.Vijay	XXXXXXX59J	XXXXXXXXX946	Ph.D	Anna University	Information and Communication Engineering	20/06/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No

37	Dr.G.Gopu	XXXXXXX18L	XXXXXXXXX119	Ph.D	Anna University	Information and Communication Engineering	11/06/1997	28.6	Assistant Professor	Professor	01/06/2012	Regular	Yes		No
38	Mrs.M.Kowsalya	XXXXXXX27L	XXXXXXXXX127	M.E.	Anna University	Applied Electronics	19/01/2023	2.11	Assistant Professor	Assistant Professor		Regular	Yes		No
39	Mrs.V.Anupriya	XXXXXXX64G	XXXXXXXXX844	M.E.	Anna University	Applied Electronics	03/01/2024	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No
40	Mrs.B.Jasmine Priyadharshini	XXXXXXX77N	XXXXXXXXX413	M.E.	Anna University	VLSI Design	04/01/2023	2.11	Assistant Professor	Assistant Professor		Regular	Yes		No
41	Ms.S.Alamelu @ Rajasree	XXXXXXX12D	XXXXXXXXX643	M.E.	Anna University	Wireless communication	23/07/2021	4.5	Assistant Professor	Assistant Professor		Regular	Yes		No
42	Mr.K.Vijayakumar	XXXXXXX07C	XXXXXXXXX262	M.E.	Anna University	VLSI Design	14/12/2022	3	Assistant Professor	Assistant Professor		Regular	Yes		No
43	Mrs.A.Reethika	XXXXXXX20C	XXXXXXXXX857	M.E.	Anna University	Applied Electronics	05/05/2023	2.7	Assistant Professor	Assistant Professor		Regular	Yes		No
44	Mrs.S.Rangeetha	XXXXXXX49M	XXXXXXXXX756	M.E.		Applied Electronics	01/12/2011	14.1				Regular	Yes		No
45	Dr.M.Priyadharshini	XXXXXXX40A	XXXXXXXXX437	Ph.D	Anna University	Information and Communication Engineering	03/06/2024	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
46	Mrs.E.Shanthini	XXXXXXX95E	XXXXXXXXX012	M.E.	Anna University	Embedded Systems Technologies	01/06/2017	8.7	Assistant Professor	Assistant Professor		Regular	Yes		No
47	Ms.P.Rishabavarthani	XXXXXXX48L	XXXXXXXXX695	M.E.	Anna University	Communication Systems	10/06/2024	1.6	Assistant Professor	Assistant Professor		Regular	No	31/12/2025	No
48	Mrs.Y.Adline Jancy	XXXXXXX58R	XXXXXXXXX658	M.E.	Anna University	Systems	16/06/2011	14.6	Assistant Professor	Assistant Professor		Regular	Yes		No
49	Mrs.M.Nausathbanu	XXXXXXX39J	XXXXXXXXX684	M.E.	Anna University	VLSI Design	23/08/2024	1.4	Assistant Professor	Assistant Professor		Regular	Yes		No
50	Mr.R.Chandru	XXXXXXX81G	XXXXXXXXX255	M.E.	Anna University	VLSI Design	21/01/2011	14.11	Assistant Professor	Assistant Professor		Regular	Yes		No
51	Mrs.S.Praseetha	XXXXXXX20B	XXXXXXXXX821	M.E.	Anna University	Communication Systems	08/08/2025	0.4	Assistant Professor	Assistant Professor		Regular	Yes		No
52	Mrs.M.Jaishree	XXXXXXX24B	XXXXXXXXX971	M.E.	Anna University	Applied Electronics	09/07/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
53	Mrs.B.Kalaimathi	XXXXXXX60L	XXXXXXXXX023	M.E.		VLSI Design	29/05/2019	6.7				Regular	Yes		No
54	Mr.T.Rajasekar	XXXXXXX29C	XXXXXXXXX642	M.Tech	Vel Tech	Embedded Systems Technologies	07/01/2021	4.11	Assistant Professor	Assistant Professor		Regular	Yes		No

55	Mr.K.Rajeshwaran	XXXXXXX68M	XXXXXXXXX793	M.E.	Anna University	VLSI Design	01/06/2015	10.7	Assistant Professor	Assistant Professor		Regular	Yes		No
56	Mrs.N.Nithya	XXXXXXX69Q	XXXXXXXXX114	M.E.	Anna University	Applied Electronics	18/08/2025	0.4	Assistant Professor	Assistant Professor		Regular	Yes		No
57	Dr.P.Sridhar	XXXXXXX90H	NA	Ph.D	Vishwaa Vidhyapeedam	Faculty of Engineering	29/05/2015	10	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
58	Mrs.S.Saranya	XXXXXXX75Q	NA	M.E.	Anna University	Communication Systems	02/06/2014	10	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
59	Dr.S.Padmapriya	XXXXXXX61M	NA	Ph.D	Anna University	Information and Communication Engineering	04/01/2016	7.9	Assistant Professor	Assistant Professor		Regular	No	28/10/2023	No
60	Dr.H.Mangalam	XXXXXXX99J	XXXXXXXXX545	Ph.D	Anna University	Information and Communication Engineering	16/08/2021	4.4	Professor	Professor	16/08/2021	Regular	Yes		No
61	Ms.N.SahanaaSree	XXXXXXX56J	NA	M.E.	Anna University	Embedded System Technologies	01/12/2021	2.5	Assistant Professor	Assistant Professor		Regular	No	13/05/2024	No
62	Ms.S.Vidhya	XXXXXXX83G	NA	M.E.	Anna University	Communication Systems	20/06/2022	1.3	Assistant Professor	Assistant Professor		Regular	No	05/10/2023	No
63	Dr.B.Nataraj	XXXXXXX48J	XXXXXXXXX466	Ph.D	Anna University	Information and Communication Engineering	01/02/2006	19.11	Assistant Professor	Associate Professor	14/07/2014	Regular	Yes		No
64	Dr.C.S.Manikandababu	XXXXXXX85Q	XXXXXXXXX105	Ph.D	Anna University	Information and Communication Engineering	02/06/2010	15.7	Assistant Professor	Associate Professor	01/12/2016	Regular	Yes		No
65	Dr.B.R.Sathish kumar	XXXXXXX00K	XXXXXXXXX144	Ph.D	Anna University	Information and Communication Engineering	04/07/2005	20.6	Assistant Professor	Associate Professor	14/07/2014	Regular	Yes		No
66	Dr.S.P.Vimal	XXXXXXX11H	XXXXXXXXX438	Ph.D	Anna University	Information and Communication Engineering	16/10/2006	19.2	Assistant Professor	Associate Professor	01/06/2015	Regular	Yes		No
67	Dr.K.R.Prabha	XXXXXXX16E	XXXXXXXXX367	Ph.D	Anna University	Information and Communication Engineering	02/06/2010	15.7	Assistant Professor	Associate Professor	01/06/2024	Regular	Yes		No
68	Dr.M.Kasi selvanathan	XXXXXXX81G	XXXXXXXXX295	Ph.D	Anna University		07/07/2010	15.5	Assistant Professor	Associate Professor	01/08/2024	Regular	Yes		No

69	Dr.S.Lakshmi Narayanan	XXXXXXX71G	XXXXXXXXX140	Ph.D	Anna University	Information and Communication Engineering	08/09/2011	14.3	Assistant Professor	Associate Professor	01/07/2025	Regular	Yes		No
70	Dr.N.Sathish Kumar	XXXXXXX84J	XXXXXXXXX477	Ph.D	Anna University	Information and Communication Engineering	02/12/1998	26.6	Assistant Professor	Professor	01/09/2012	Regular	No	19/06/2025	No
71	Dr.R.Karthikamani	XXXXXXX71M	XXXXXXXXX090	Ph.D	Anna University	Electrical Engineering	17/06/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No

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 Department4 No. of PG Programs in the Department4

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

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B UG1.C UG1.D	62	60	62
UG1: Biomedical Engineering	60	61	61
UG2.B UG2.C UG2.D	61	61	60
UG2: Electronics & Communication Engineering	**183**	**182**	**183**
UG3.B UG3.C UG3.D	198	198	198
UG3: Electronics & Instrumentation Engineering	198	198	194
	198	193	191
	594	**589**	**583**
	66	66	65
	66	65	66
	65	66	63
	197	**197**	**194**

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG4.B UG4.C UG4.D	66 64 66	64 66 66	66 66 66
UG4: Robotics and Automation			
DS=Total no. of students in all UG and PG programs in the Department AS=Total no. of			
students of all UG and PG programs in allied departments S=Total no. of students in the			
Department (DS) and allied departments (AS) DF=Total no. of faculty members in the	**196**	**196**	**198**
Department AF= Total no. of faculty members in the allied Departments F=Total no. of	183 1023	182 1024	183 1017
faculty members in the Department (DF) and allied Departments (AF) FF=The faculty	**S1=** 1206 13	**S2=** 1206 12	**S3=** 1200 12
members in F who have a 100% teaching load in the first-year courses Student Faculty	59	61	58
Ratio (SFR)=S/(F-FF) Average SFR for 3 years	**F1=** 6 **SFR1= 18.27** **SFR= 18.16**	**F2=** 5 **SFR2= 17.74**	**F3=** 5 **SFR3= 18.46**
	72	73	70

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)	31	41	59.00	20.08 20.25 18.22
2024-25(CAYm1)	31	42	59.00	
2023-24(CAYm2)	25	45	59.00	

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	6.00	8.00	13.00	13.00	39.00	51.00

2024-25	6.00	9.00	13.00	12.00	39.00	52.00
2023-24	6.00	9.00	13.00	10.00	39.00	51.00
Average	RF1=6.00	AF1=8.67	RF2=13.00	AF2=11.67	RF2=39.00	AF2=51.33

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.M.Ayyappadas	Founder and Director	Harvey Biomedical, Bangalore	20BM220- Health Care Instrumentation	50.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.M.Ayyappadas	Founder and Director	Harvey Biomedical, Bangalore	20BM220- Health Care Instrumentation	50.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.Aravind Srinivasan	Solution Consultant	Pega Systems, Bangalore	20BM222- Medical Data Analytics	50.00

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	4	9	1
2	No. of peer reviewed conference papers published	17	16	9
3	No. of books/book chapters published	3	7	5

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
Mrs. L. Dhiviyalakshmi	-	Biomedical Engineering	BioSIM – Smart IV monitoring system	Pilani Innovation and Entrepreneurship Development Society (PIEDS), BITS Pilani	2 years	4.00
						Amount received (Rs.):4.00

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mrs. L. Dhiviyalakshmi	-	Biomedical Engineering	BioSIM	AICTE MIC YUKTI scheme	2 years	5.00
Dr. K. Uthayarani	Dr. Deepa B. Prabhu	Physics	Rapid manufacture of biodegradable nanofibers for wound healing applications	Dept. of Science and Technology, Govt. of India, Technology Development Transfer Scheme	2 years	41.81
						Amount received (Rs.):46.81

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Ms. V. Srividhyasakthi	-	Biomedical Engineering	Noninvasive blood glucometer	Siemens healthineers	1 year	5.00
Dr. Deepa B. Prabhu		Biomedical Engineering	Organic livestock feed and biofertilizer using azolla	Ministry of Education, Government of India under Technology Development Program of Unnat Bharath Abhiyaan	6 months	1.00
Mrs. L. Dhiviyalakshmi		Biomedical Engineering	Prana seeds – reforestation for a better tomorrow – a start-up venture for the adopted village	Ministry of Education, Government of India under Technology Development Program of Unnat Bharath Abhiyaan	6 months	1.00
						Amount received (Rs.):7.00

Total Amount (Lacs) Received for the Past 3 Years: 57.81

Note*:

- Onlysponsoredresearchprojectswillbeconsidered.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. S. Vignesh	-	Biomedical Engineering	Design and fabrication of digital laryngoscope	Sri Ramakrishna Hospital, Coimbatore	2 years	3.00
						Amount received (Rs.):3.00

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
	-					
						Amount received (Rs.):0

(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
Mrs. L. Dhivyalakshmi	-	Biomedical Engineering	Nextgen wearables	L&T Technology Services, Bengaluru	1 year	4.00
						Amount received (Rs.):4.00

Total amount (Lacs) received for the past 3 years: 7.00

Note*:

- Onlyconsultancyprojectswillbeconsidered.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. Deepa B Prabhu	Design and Development of Point-of-Care Devices for Na+ion Detection in Geriatric Patients	1 year	2.60	2.60	A book chapter has been accepted for publication by Elsevier, and a conference paper has been accepted at ICRAMM 24.
Dr. Deepa B Prabhu	Development of in situ hydrogel systems for ocular applications	1 year	4.00	4.00	Presented research at Sri Ramakrishna Engineering College and Rathinam Technical Campus, completed training, and served as Resource Person.
			Amount received (Rs.): 6.60		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Deepa B Prabhu	Design and Development of Point-of-Care Devices for Na+ion Detection in Geriatric Patients	1 year	2.60	2.60	Attended national seminar on thin film bio-patches and R-programming workshop for biologists.
Dr. Deepa B Prabhu	Development of in situ hydrogel systems for ocular applications	1 year	2.78	2.78	Presented at AFMD-2024 at SRM Institute of Science and Technology, attended workshops, FDP, and served as Resource Person.
			Amount received (Rs.): 5.38		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. L Priya	Micro APAP	1 year	0.39	0.39	Micro APAP is a portable, low-power, cost-effective device with real-time adaptive pressure regulation for rural and personal use.
Mrs. L Dhivyalakshmi	BioSIM	6 months	0.37	0.37	BioSIM, incubated at SREC SPARK Incubation Foundation, monitors IV fluid levels under BioD-Wise Healthcare.
Ms. V. Srividhyasakthi	An indigenous noninvasive glucometer	6 months	0.29	0.29	Noninvasive device with IoT transmits data to a mobile app for real-time monitoring and tracking.
Dr. Deepa B Prabhu	Nanosponges for rapid hemostasis	1 year	0.52	0.52	Developed nanofiber mats of polymers.
			Amount received (Rs.): 1.57		

Total amount (Lacs) received for the past 3 years : 13.55

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	Healthcare Instrumentation Laboratory	3	EEG, PCG, ECG, Ultrasound Scanner, Pacemaker, Tens, Defibrillator, Shortwave Diathermy, Vascular	20BM286- Hea	Mrs. V. Leelavathi	Lab Instructor	B.E EEE
2	Biomechanics Laboratory	3	3D printer, Motion Capture System, Force Plate, Acer-i7, HP-i5, EMG Unit, Dell HP System	20BM276- Biom	Mr. P. Rajesh Kumar	Lab Instructor	M.Sc. Physics
3	Electronics Laboratory	3	Dell i7, HP i7, Arduino board, 8031/51/52 Micro controller trainer system LCD (MICRO51LC(LCD)), PIC	20BM278-Med	Mrs. V. Leelavathi	Lab Instructor	B.E EEE
4	Computational Laboratory	1	Dell i7 HP i7 HP i5 MATLAB SOFTWARE	20BM282- Mic	Mr. G. Praveen John	Lab Instructor	M.Sc. Bioinformatics
5	Biosciences Laboratory	3	Audiometer, PCG Amplifier, Ophthalmoscope, Human Skeleton System, Human Torso model, Laminar Air	20BM270- Bioc	Mrs. S.D.Soundaravalli	Lab Instructor	B.Sc Biochemistry
6	Regenerative Medicine and Tissue engineering Laboratory	3	Biosafety Cabinet, Incubator, Inverted Fluorescent Microscope, PCR, ELISA reader, Inverted fluorescent	20BM277- Mole	Mrs. M. Padma	Lab Instructor	M.Sc Biochemistry

7	Project Laboratory	3	Dual Output DC Power Supply, Cathode ray oscilloscope and function generator, Digital IC trainer	20BM275-Mini	Mrs. J. Vinodhini	Lab Instructor	M.Sc. Biochemistry

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Biochemistry Laboratory Human Anatomy & Physiology Laboratory Tissue Engineering Laboratory Molecular Diagnostics Laboratory	Wear lab coats/aprons, gloves, shoes and mask while performing the experiments. Make sure all reagents are clearly labelled with name, concentration and expiry date. Handling of strong acids and bases requires special attention. Store acids in a cool, well-ventilated area in a corrosion-resistant cabinet, on low shelves, and always in secondary containment like trays or carriers. Separate acids from incompatible substances like bases, flammables, and organic compounds, and ensure containers are tightly capped. When diluting concentrated acids, the acid should be poured into the water and never the opposite. Care should be taken to prevent inhalation of hazardous substances while performing procedures which produce aerosols. Always use gloves. Do not dispose chemical wastes in a sink drain. Never taste or smell any substances. The pipettes should never be filled by mouth suction for the solutions of toxic substances, biological fluids, strong acids, and bases. Use either automatic pipettes or pipette pumps. Before leaving the laboratory wash hands thoroughly, turn off the electrical equipment and gas burners. Volatile liquids and solids that are toxic or irritating should be handled under fume hood. Wear shoes in labs to prevent injuries due to sharps and chemicals. Dispose used syringes, lancets or any other sharp materials into the labelled bin. Make sure all reagents are clearly labelled with name, concentration and expiry date. Fire Extinguisher and First aid Kit are regularly inspected and restocked.
2	Medical Equipment Service Training Centre Biomechanics Laboratory Modelling of Biomedical Systems Laboratory Medical Instrumentation Electronics Laboratory	Always make sure all capacitors are discharged (using a grounded cable with an insulating handle) before touching high voltage leads or the "inside" of any equipment even after it has been turned off. Check cable, cords, and connectors periodically and immediately replace any items that show signs of cracking, chipping or other deterioration. Electrical safety analyzer to ensure the safety of persons who handle the equipment. Before using electrical appliances, make sure they are grounded. Use extreme caution when installing or removing batteries containing acid. Do not overload circuits or wiring. Overloading can lead to overheated wires, which can cause fires and electrical shock injuries. Wear shoes to ensure safety while using electrical appliances. Fire Extinguisher and First aid Kit are regularly inspected.
3	Signals and Systems for Bioengineers Laboratory Medical Image Processing Laboratory Medical Data Analytics Laboratory Digital System design Laboratory	Do not spill water or any other liquid on the machine. Do not access external devices without scanning them for computer viruses. Look away from the screen once in a while to give your eyes a rest. Standard anti-virus and anti-spyware are installed in each computer to protect software. For overall safety, fire Extinguisher and First aid Kit are regularly inspected and restocked.

D3. Project Laboratory/Research Laboratory

S.No.	Name of the Laboratory	Utilization
1.	**Biomaterial Research Laboratory** **Equipments dedicated for research** • Compact Nanofiber • Electrospinning Unit with support • pH tester • Magnetic stirrer (Tarson) • Circulating Water bath • Centrifugal spinner and accessories • Water bath • Magnetic stirrer	• Students' and Faculties' Research Activities • Students participation in Technical contest, Hackathons and Innovation contest • Seed funded Projects • Government funded projects • Students participation in International and National conferences

2.	**Project Laboratory** **Facilities** • Computing Facilities MATLAB R2013 • NI LabVIEW full development system • with 22 tool kits incorporated for windows NI ELVIS II FDM 3D Printer Physiological Sensors Ultrasonic • Sensor Arduino DUE,ArduinoEsplora • Board ARDUINO Nano Raspberry pi2 • Model BMI Kit and Electrodes • Myoelectric Board Vernier • Bioinstrumentation Incubator Bio • Safety Cabinet Ophthalmoscope • Magnus Binocular Microscope Hot Air • Oven PCR Machine Deep freezer • Refrigerated Centrifuge Electronic • Balance Countess Automated Cell • Counter Table Top Electro spinning • Machine UV-VIS spectrophotometer • Air Flow meter Universal Pressure • meter Multi vessel dip coater • Circulating Water bath • • • • • • • • • • •	• Students Projects • Students and Faculties Research Activities • Students participation in technical contest, Hackathons and Innovation contest • Seed funded Projects • POC / Model development • Government funded projects • Students' participation in International and National conferences

Industry Supported Laboratory by Prashan Medical Technologies

Sl.No	Description	Utilization

1.	Portable Ventilator Make: Flight medical Model: Flight 60	Used for demonstrating mechanical ventilation principles, ventilator modes (VCV, PCV, SIMV), and respiratory parameter monitoring during laboratory sessions. Supports final year project demonstrations related to ventilator design, IoT-based respiratory monitoring, and alarm system development. Utilized in the Research Laboratory for respiratory mechanics studies, ventilator performance analysis, and prototype validation in critical care device development.
2.	Oxygen Concentrator Make: Philips Respironics Model: Everflow	Demonstrates oxygen therapy systems and Pressure Swing Adsorption (PSA) technology. Used in student projects focusing on oxygen purity monitoring, flow sensor integration, and low-cost oxygen delivery systems. Supports research activities in gas flow analysis, efficiency testing, and biomedical gas system optimization.
3.	CPAP/BiPAP Make:BMC Model: Y30T	ventilation to teach non-invasive techniques and sleep apnea management systems. Supports project demonstrations on smart CPAP monitoring systems and respiratory signal acquisition. Utilized in research lab work related to pulmonary rehabilitation devices and pressure control system optimization.
4.	Surgical Diathermy Make: Schiller Model: DT- 400	Demonstrates electrosurgical cutting and coagulation principles and biomedical safety standards. Used for student mini and major projects involving electrosurgical safety analysis and power modulation systems. Supports research studies on high-frequency surgical energy applications and biomedical instrumentation safety evaluation.

5.	Multipara Monitor Make: Schiller Model: TS-II	Used for teaching patient vital sign monitoring (ECG, SpO_2, NIBP, Temperature, Respiration). on Supports project demonstrations biomedical signal processing, wireless patient monitoring, and IoT-based health systems. Utilized in the Research Laboratory for physiological signal acquisition, data analysis, and algorithm development.
6.	Syringe Pump Make: Schiller Model: SP-300	Demonstrates precision drug delivery systems and infusion rate calibration. Used in student projects related to automated drug delivery and smart infusion monitoring systems. Supports research activities in flow rate accuracy testing and controlled drug administration studies.
7.	Infusion Pump Make: AMIGO Model: AMIGO SP	Used for demonstrating volumetric infusion principles and alarm systems. Supports final year and interdisciplinary projects on infusion safety mechanisms and embedded system integration. Utilized in research laboratory experiments for performance evaluation and biomedical device validation studies.

Fig 7.4.1 Biomaterial Research Laboratory

Fig 7.4.2 Refrigerated Centrifuge

Fig 7.4.3 Industry supported Laboratory

PART E: First Year faculty and financial Resources

(Data to befilledinforthefirstyearcoursefacultyandbudgetallocationandutilization)

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)	990	50	40	19	72
2024-25(CAYm1)	990	50	40	20	72
2025-26(CAY)	990	50	38	21	69

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	1223.07	2632.87	1300.00	785.62	175.00	401.13	196.00	45.90
Library	106.00	0	61.51	11.18	60.93	6.36	60.72	5.63
Laboratory equipment	96.74	0.17	155.00	68.00	122.00	80.31	102.00	139.95
Teaching and non-teaching staff salary	3065.00	1399.05	2910.00	2645.25	2670.00	2694.73	2425.00	2363.92
Outreach Programs	1.5	0.22	1.5	1.40	1.5	1.49	1.5	1.53
R&D	205.30	3.52	42.41	15.26	60.35	20.44	53.25	71.00
Training, Placement and Industry linkage	435.25	20.72	35.00	3.36	15.00	20.46	10.00	0.95
SDGs	1.5	1.10	3.0	3.04	0	0	0	0
Entrepreneurship	0.25	0.14	0.5	0.38	0.25	0.19	0.05	0.04
Others, specify	2642.98	1095.63	2325.62	2344.15	1922.11	2524.27	1552.28	1940.98
Total	**7777.59**	**5153.42**	**6834.54**	**5877.64**	**5027.14**	**5749.38**	**4400.80**	**4569.90**

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	3171000	2602072.00	7545000	4413529	1452000	1195426	1605000	2507344
Software	0	0	0	0	40000	0	0	0
SDGs	15000	8958	0	0	0	0	0	0
Support for faculty development	150000	123810	100000	111655	40000	110396	2774	2774
R & D	1140000	208921	165000	675039	410000	404043	745000	345211

Industrial Training, Industry expert, Internship	350000	246177	160000	297778	40000	213989	8000	30088
Miscellaneous Expenses*	4580000	2611850	1005000	1314464	1216000	1060333	881226	717854
Total	**9406000**	**5801788.00**	**8975000**	**6812465**	**3198000**	**2984187**	**3242000**	**3603271**