

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electrical and Electronics Engineering	Discipline : Engineering & Technology
Level : Under Graduate	Tier : 2
Application No : 12041	Date of Submission : 16-07-2026

PART A- Profile of the Institute

A1.Name of the Institute : Stella Mary's College of Engineering	
Year of Establishment : 2012	Location of the Institute: Latitude 8133528 Longitude 77342216
A2. Institute Address :Aruthenganvilai, Kallukatti Junction, Azhikal Post, Kanyakumari District-629202, Tamil Nadu, South India.	
City:Kanniyakumari (HQ : Nagercoil)	State:Tamil Nadu
Pin Code:629202	Website:www.stellamaryscoe.edu.in
Email:info@stellamaryscoe.edu.in	Phone No(with STD Code):04651-239122
A3. Name and Address of the Affiliating University (if any) :	
Name of the University : Anna University Chennai	City: Chennai
State : Tamil Nadu	Pin Code: 600025
A4. Type of the Institution : Autonomous CAY(2024-25)	
A5. Ownership Status : Self financing	

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

- No. of UG programs: **8**
- No. of PG programs: **5**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Artificial Intelligence and Data Science	2023	--	Computer Science and Engineering
2	Engineering & Technology	UG	Biomedical Engineering	2026	--	Electronics and Communication Engineering
3	Engineering & Technology	UG	Civil Engineering	2014	--	Civil Engineering
4	Engineering & Technology	PG	Computer Science & Engineering	2014	--	Computer Science and Engineering
5	Engineering & Technology	UG	Computer Science and Engineering	2012	--	Computer Science and Engineering
6	Engineering & Technology	UG	Electrical and Electronics Engineering	2012	--	Electrical and Electronics Engineering
7	Engineering & Technology	UG	Electronics and Communications Engineering	2012	--	Electronics and Communication Engineering

8	Engineering & Technology	PG	Industrial Safety Engineering	2022	--	Mechanical Engineering
9	Engineering & Technology	UG	Information Technology	2012	2014	Computer Science and Engineering
10	Engineering & Technology	UG	Mechanical Engineering	2012	--	Mechanical Engineering
11	Engineering & Technology	PG	Power Systems Engineering	2026	--	Electrical and Electronics Engineering
12	Engineering & Technology	PG	VLSI Design	2026	--	Electronics and Communication Engineering
13	Management	PG	Master of Business Administration	2023	--	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
Electrical and Electronics Engineering	No	Electrical and Electronics Engineering	UG
Civil Engineering	No	Civil Engineering	UG
Electronics and Communication Engineering	No	ELECTRONICS AND COMMUNICATION ENGINEERING	UG

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

No Record

PART-B: Program information

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

Table No. B1: Program details.

A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Electrical and Electronics Engineering	UG	2012 / --	60	No	NA	60	2012	F.No. Southern/2012/1-798094521	Applying first time	--	--	0	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.K.Ezhil Vignesh
B. Nature of appointment:	Regular

C. Qualification:	Ph.D
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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	50	49	61	56	35	32	31
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	2	1	2	3	5	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	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	50	51	62	58	38	37	33

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	50	0	83.33
2024-25 (CAYm1)	60	49	0	81.67
2023-24 (CAYm2)	60	61	0	101.67

Average [(ER1 + ER2 + ER3) / 3] = 88.89≅ 17.00

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

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

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	63.00	65.00	62.00
B=No. of students who graduated from the program in the stipulated course duration	19.00	16.00	19.00
Success Rate (SR)= (B/A) * 100	30.16	24.62	30.65

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 28.48

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)
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Mean of CGPA or mean percentage of all successful students(X)	5.51	4.03	4.29
Y=Total no. of successful students	49.00	58.00	53.00
Z=Total no. of students appeared in the examination	49.00	61.00	56.00
API [X*(Y/Z)]	5.51	3.83	4.06

Average API[(AP1+AP2+AP3)/3] : 4.47

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	4.88	3.95	4.47
Y=Total no. of successful students	59.00	51.00	28.00
Z=Total no. of students appeared in the examination	59.00	55.00	34.00
API [X * (Y/Z)]	4.88	3.66	3.68

Average API [(AP1 + AP2 + AP3)/3] : 4.07

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)	5.20	6.16	4.62
Y=Total no. of successful students	49.00	27.00	36.00
Z=Total no. of students appeared in the examination	51.00	28.00	36.00
API [X*(Y/Z)]:	5.00	5.94	4.62

Average API [(AP1 + AP2 + AP3)/3] : 5.19

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	63.00	65.00	62.00
X=No. of students placed	25.00	31.00	24.00
Y=No. of students admitted to higher studies	0.00	0.00	3.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	39.68	47.69	43.55

Average Placement Index = (P_1 + P_2 + P_3)/3: 43.64 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.K.Ezhil Vignesh	XXXXXXXX91R	Ph.D	Anna University	Power Systems	18/01/2023	3.5	Associate Professor	Professor	01/09/2023	Regular	Yes		Yes
2	Dr.A.R. Gayathri	XXXXXXXX13A	Ph.D	Noorul Islam Centre for Higher Education	Applied Electronics	16/08/2021	4.10	Assistant Professor	Associate Professor	18/01/2023	Regular	Yes		No
3	Dr.R.Femi	XXXXXXXX39J	Ph.D	Anna University	Applied Electronics	04/07/2022	4	Assistant Professor	Associate Professor	15/07/2024	Regular	Yes		No
4	Mrs. I. Sabareesa Priya	XXXXXXXX93F	M.E.	Anna University	Power Systems Engineering	02/01/2017	9.6	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Ms.Aji Selvam B	XXXXXXXX70P	M.E.	Anna University	Power Systems Engineering	19/06/2019	7	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mrs.J.Jasmine	XXXXXXXX65M	M.E.	Anna University	Embedded System Technologies	04/07/2019	7	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mrs.M.E. Shajini Sheeba	XXXXXXXX05B	M.E.	Anna University	Applied Electronics	04/07/2019	7	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr.C.Milton	XXXXXXXX89A	M.E.	Anna University	Power Electronics &Drives	20/12/2019	6.6	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mrs.Annie Steffy Beula.A	XXXXXXXX92G	M.E.	Anna University	Control & Instrumentation Engineering	28/04/2021	5.2	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mr.J.Stanly Selva Kumar	XXXXXXXX11Q	M.E.	Anna University	Applied Electronics	19/01/2022	4.5	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mrs.S.Chithra	XXXXXXXX83C	M.E.	Anna University	Power Electronics & Drives	02/05/2023	3.2	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Dr.C.Rajesh Prasad	XXXXXXXX90K	Ph.D	Anna University	Power Electronics &Drives	03/07/2023	2.10	Assistant Professor	Assistant Professor		Regular	No	25/05/2026	No
13	Mrs. R.HephzibahRija	XXXXXXXX28N	M.E.	Anna University	Power Electronics & Drives	05/06/2023	3.1	Assistant Professor	Assistant Professor		Regular	Yes		No

14	Mrs.K.Christal Saji	XXXXXX92J	M.E.	Annamalai University	Power System Engineering	01/07/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Mrs. Blessing Abisha M R	XXXXXX11B	M.E.	Anna University	Power Electronics & Drives	03/07/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Mr.Michel Shalin F	XXXXXX78K	M.E.	Anna University	Power Electronics & Drives	04/05/2026	0.2	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Mr.C.Suyambulinga Rajan	XXXXXX03F	M.E.	Anna University	Power Systems Engineering	04/01/2021	4.4	Assistant Professor	Assistant Professor		Regular	No	31/05/2025	No

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

C2. Student-Faculty Ratio (SFR)

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

UG1=1st UG program

UGn=nth UG program

B= No. of Students in UG 2nd year (ST)

C= No. of Students in UG 3rd year (ST)

D= No. of Students in UG 4th year (ST)

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

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

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

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

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

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

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

No. of UG Programs in the Department1 No. of PG Programs in the Department0

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	62	61	62
UG1.C	61	62	63
UG1.D	62	63	65
UG1: Electrical and Electronics Engineering	185	186	190
DS=Total no. of students in all UG and PG programs in the Department	185	186	190
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= 185	S2= 186	S3= 190
DF=Total no. of faculty members in the Department	15	14	14
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	F1= 15	F2= 14	F3= 14

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
FF=The faculty members in F who have a 100% teaching load in the first-year courses	2	2	1
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 14.23	SFR2= 15.50	SFR3= 14.62
Average SFR for 3 years	SFR= 14.78		

C3. Faculty Qualification

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

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = $2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	4	11	9.00	23.33
2024-25(CAYm1)	4	10	9.00	22.22
2023-24(CAYm2)	3	11	9.00	20.56

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	1.00	2.00	2.00	6.00	12.00
2024-25	1.00	1.00	2.00	2.00	6.00	11.00
2023-24	1.00	0.00	2.00	2.00	6.00	12.00
Average	RF1=1.00	AF1=0.67	RF2=2.00	AF2=2.00	RF2=6.00	AF2=11.67

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. SUNIL LIVINGSTON G	Director	VINTECH SYSTEMS	Power Electronics	28.00
2	Mr.ANBU SUJIN	LEAD ENGINEER-Testing and validation	Servion India Private Limited,Whitefield,Bangalore	Power System Operation and Control	28.00

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.P.K.RAMADOSS	PROJECT MANAGER	SOLAR SARK POWER SYSTEMS	Grid Integrating Techniques and Applications	35.00
2	Mr.ANBU SUJIN	LEAD ENGINEER-Testing and validation	Senvion India Private Limited,Whitefield,Bangalore	Protection and Switch Gear	28.00

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.RAGAVENTRA T	SENIOR ENGINEER-MACHINE EXTERNAL ELECTRICAL & SUBSTATION	WIND WORLD INDIA LIMITED	Transmission and Distribution	28.00
2	Mr.P.K.RAMADOSS	PROJECT MANAGER	SOLAR SARK POWER SYSTEMS	Renewable Energy Systems	35.00

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	7	6	2
2	No. of peer reviewed conference papers published	9	6	4
3	No. of books/book chapters published	0	0	1

Table No. C7.1: List of sponsored research projects received from external agencies.

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. Femi R	Mrs. Jasmine J	Department of Electrical and Electronics Engineering	IoT-Based Process Monitoring and Fault Detection in Cement Mixing Systems	Ideal Engineering Construction	3 months	0.50
Dr. Ezhil Vignesh K	Mrs. Chithra S	Department of Electrical and Electronics Engineering	NOVA SPOT MICRO 3 A SPOT MINI CLONE QUADRUPED ROBOT DOG	Entudio Private Limited	6 months	1.00
						Amount received (Rs.):1.50

(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
Mrs. Sabareesa Priya I	Mr. Milton C	Department of Electrical and Electronics Engineering	AI-Based Drone for Solar Panel Fault Detection and Monitoring	Sark Solar Power System	6 months	1.00
						Amount received (Rs.):1.00

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

Total Amount (Lacs) Received for the Past 3 Years: 2.50

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. Gayathri A R	-	Department of Electrical and Electronics Engineering	Energy Audit & Conservation Consultancy	Western India Cashew Co. Pvt. Ltd.	4 months	2.00
Mrs. Jasmine J	-	Department of Electrical and Electronics Engineering	Energy Audit	Kidzee School, Vallioor.	7 days	0.25
						Amount received (Rs.):2.25

(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. Gayathri A R	-	Department of Electrical and Electronics Engineering	Energy Audit & Conservation Consultancy	LAX Blue metal crusher	3 months	1.50
Mrs. Sabareesa Priya I	-	Department of Electrical and Electronics Engineering	Installation, Energy Audit and maintenance	Sark Solar Power System	6 months	3.00
Dr. Ezhil Vignesh K	Mrs. Shajini Sheeba M E	Department of Electrical and Electronics Engineering	Energy Audit	Urban Primary Health Care Centre, Thollavilai	4 days	0.10
						Amount received (Rs.):4.60

(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. Femi R	-	Department of Electrical and Electronics Engineering	Energy Audit	Chasseur Cyber Solutions Pvt. Ltd., Tamil Nadu	15 days	0.50
Mrs. Shajini Sheeba M E	-	Department of Electrical and Electronics Engineering	Energy Audit	Kudos School, Nagercoil	7 days	0.25
Mr. Milton C	-	Department of Electrical and Electronics Engineering	Design and Fabrication of Bio-Gas Digester to Produce Biogas from Kitchen	Michel Polymers	3 months	0.50
						Amount received (Rs.):1.25

Total amount (Lacs) received for the past 3 years: 8.10

Note*:

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

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

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

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr. Milton C	Advanced Two-Wheeler Vehicle Design: Revolutionizing Urban Mobility	6 months	0.20	0.20	Developed an innovative two-wheeler design prototype for efficient, safe, and sustainable urban mobility.
Mrs. Shajini Sheeba M E	Effective Waste Collection from Ocean	6 months	0.20	0.20	Publication of joined research paper.
Mrs. Chithra S	E-Vehicle Lab	1 year	7.71	7.71	Enhanced practical skills in EV and battery technologies through projects and research.
			Amount received (Rs.): 8.11		

(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. Gayathri A R	Smart Water Heater	6 Months	0.20	0.20	One research paper was published based on the development and performance evaluation of the Smart Water Heater system.
			Amount received (Rs.): 0.20		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr. Stanly Selvakumar J	Renewable Energy Lab	1 year	4.67	4.67	Developed practical skills in EV systems, motor control, battery management, and energy storage through projects and research.
Ms. Annie Steffy Beula	IoT based Water Purifier Monitoring	6 Months	0.20	0.20	Developed an IoT-based water purifier monitoring system for real-time monitoring and efficient operation, resulting in a research paper publication.
			Amount received (Rs.): 4.87		

Total amount (Lacs) received for the past 3 years : 13.18

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	Electrical Circuits laboratory	30	Regulated Power Supply, Computers, Cathode Ray Oscilloscope, Function Generator.	12 hours	Mr. K.SUBASH	Lab Instructor	Diploma in Electrical & EI
2	Engineering practices Laboratory	30	Single Phase Energy Meter, Iron Box wiring setup, Three Phase House wiring setup, Single Phase Auto transformer	24 hours	Mr. N. ANANDH	Lab Instructor	Diploma in Electrical & EI
3	Electrical Machines Laboratory-I	30	DC Motor and Generator Set , DC Shunt Motor, DC Series Motor, DC Compound Motor, Rectifier, Single Phase Auto Transformer	12 hours	Mr. K.SUBASH	Lab Instructor	Diploma in Electrical & EI
4	Electrical Machines Laboratory-II	30	Single Phase Transformer, Single Phase Induction Motors, Three Phase Induction Motors -Squirrel Cage Motor, Three Phase Alternator, Three phase auto	12 hours	Mr. K.SUBASH	Lab Instructor	Diploma in Electrical & EI
5	Power Electronics and drives Laboratory	30	SCR Pulse Controller, Single phase SCR power circuit, SCR MOSFET IGBT&TRIAC static Characteristics, Single Phase static Converter, Step up and step down	6 hours	Ms.V.ANUSHA	Lab Instructor	B.E Electrical & Electron
6	Linear and Digital Integrated Circuits Laboratory	30	IC trainer Kit, Dual Regulated Power Supply, Function Generator, Cathode Ray Oscilloscope.	8 hours	Ms.V.ANUSHA	Lab Instructor	B.E Electrical & Electron
7	Power Systems simulation Laboratory/Embedded system Design	30	Systems, UPS	30 hours	Mr. K.SUBASH	Lab Instructor	Diploma in Electrical & EI

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Electrical Circuits Laboratory	1.Electrical wires are protected by MCB, RCBO and fuses. 2.First aid kit. 3.Fire extinguisher. 4. Guidelines and instructions are displayed in the laboratory.
2	Electrical Machines Laboratory-I	1.First aid Kit. 2.Dry type Fire Extinguisher 3.Guidelines and instructions are displayed in the laboratory. 4.Power supply terminals connected to any circuit is energized with the presence of the instructor. 5.Emergency power shut down facility is provided. 6.Insulation mats are provided on the ground to prevent shocks. 7.Students are instructed to wear apron and shoes.
3	Electrical Machines Laboratory-II	1.Electrical wires are protected by MCB, RCBO and fuses. 2.Avoid loose wires, cables, and connections. 3.First aid Kit. 4.Dry type Fire Extinguisher 5.Guidelines and instructions are displayed in the laboratory. 6.Power supply terminals connected to any circuit is energized with the presence of the instructor. 7. Emergency power shut down facility is provided. 8.Insulation mats are provided on the ground to prevent shocks. 9. Students are instructed to wear apron and shoes.
4	Power Electronics and Drives Laboratory	1.Electrical wires are protected by MCB, RCBO and fuses. 2.Guidelines and instructions are displayed in the laboratory. 3. Only make changes to the experimental setup when the circuit power is turned off and all power sources read zero voltage and zero current, as applicable. 4. Students are instructed to wear apron and shoes. 5. First aid kit. 6. Fire extinguisher.
5	Engineering Practices Laboratory	1.Electrical wires are protected by MCB, RCBO and fuses. 2.First aid kit. 3.Fire extinguisher. 4.Proper earthing. 5.Students are instructed to wear apron and shoes. 6.Insulation mats are provided on the ground to prevent shocks.
6	Linear and Digital Integrated Circuits Laboratory	1.Fire extinguisher. 2.Electrical wires are protected by MCB, RCBO and fuses. 3.Proper earthing. 4.Guidelines and instructions are displayed in the laboratory. 5. Students are instructed to wear apron and shoes.
7	Power Systems Simulation Laboratory	Equipment Handling 1.Report Faults: Immediately inform the lab supervisor of any hardware issues; do not attempt repairs yourself. 2.Proper Shutdown: Always shut down computers properly after use to prevent data loss. Ergonomics & Health 1.Maintain Good Posture: Use ergonomic chairs and sit upright to avoid back and neck strain. Lab Conduct 1.No Food or Drinks: Eating or drinking in the lab is prohibited to maintain cleanliness and prevent damage. Keep Workspace Tidy: Ensure your area is clean and free from clutter to avoid accidents. Data Security 1.Use Assigned Accounts: Log in with your credentials do not share accounts. 2.Avoid Unauthorized Software: Do not install or use unapproved software to prevent security breaches. Emergency Preparedness Know Emergency Exits: Familiarize yourself with the locations of fire exits, extinguishers, and first aid kits. 1. Emergency Power off (EPO): Be aware of the EPO button's location to quickly shut down power during emergencies. 2. Electrical wires are protected by MCB, RCBO and fuses. 3. First aid kit. 4. Fire extinguisher. 5. Proper Earthing
8	Research & Development Laboratory	1.Electrical wires are protected by MCB, RCBO and fuses. 2.Proper Earthing 3. Rubber Mats are provided
9	Project Laboratory	1.Electrical wires are protected by MCB, RCBO and fuses. 2.Proper Earthing 3. Rubber Mats are provided.

D3. Project Laboratory/Research Laboratory

PART E: First Year faculty and financial Resources
(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) +(NS2*0.2))/RF
2023-24(CAYm2)	420	21	19	7	79
2024-25(CAYm1)	480	24	26	9	94
2025-26(CAY)	480	24	34	10	122

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	31500000	31034650	20100000	20099521.5	31000000	30795000	830000	825500
Library	870000	871287	555000	554678	590000	585318	1000000	988750
Laboratory equipment	360000	3644876	5700000	7238846	3400000	5111774	2825000	3721655
Teaching and non-teaching staff salary	39100000	39078527	48000000	47645488	31150000	31145346	26300000	26262822
Outreach Programs	1375000	1345840	1070000	1066787	1260000	1256354	1750000	1717507
R&D	3200000	3183937	2450000	2873841	1565000	1852929	1330000	1334857
Training, Placement and Industry linkage	5800000	5767362	4200000	4201953	2750000	5953058	1080000	3683203
SDGs	1750000	1738975	285000	1309397	115000	1338061	510000	636800
Entrepreneurship	275000	272110	860000	282014	3200000	120619	62000	61030
Others, specify	74000000	70539226.95	54000000	51066979.9	34500000	31024141.83	35500000	31353333.18

Total	158230000	157476790.95	137220000	136339505.4	109530000	109182600.83	71187000	70585457.18
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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	225000	223872	300000	297012	400000	387346	360000	352345
Software	240000	235682	325000	318570	190000	185000	125000	125000
SDGs	225000	218625	230000	226120	200000	194160	130000	127426
Support for faculty development	80000	78380	70000	68150	70000	64230	55000	52026
R & D	925000	908842	1400000	1377920	600000	720426	700000	684240
Industrial Training, Industry expert, Internship	730000	725142	550000	545146	470000	455680	1150000	1138546
Miscellaneous Expenses*	2425000	2398493	2400000	2370495	2175000	2160741	1900000	1876095
Total	4850000	4789036	5275000	5203413	4105000	4167583	4420000	4355678