

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electronics and Communications 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	PROGRA DURATIC
1	ELECTRONICS AND COMMUNICATION 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. S. S. Sreeja Mole
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	63	60	63	60	60	42	37
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	2	2	2	1	3	3
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	63	62	65	62	61	45	40

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	63	0	105.00
2024-25 (CAYm1)	60	60	0	100.00
2023-24 (CAYm2)	60	63	0	105.00

Average [(ER1 + ER2 + ER3) / 3] = 103.33≡ 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).	61.00	63.00	63.00
B=No. of students who graduated from the program in the stipulated course duration	46.00	17.00	22.00
Success Rate (SR)= (B/A) * 100	75.41	26.98	34.92

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 45.77

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)
X=(Mean of 1st 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 1st year/10)	7.79	7.93	7.67
Y=Total no. of successful students	58.00	63.00	54.00

Z=Total no. of students appeared in the examination	60.00	63.00	60.00
API $[X*(Y/Z)]$	7.53	7.93	6.90

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

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)	7.67	7.66	6.96
Y=Total no. of successful students	63.00	53.00	57.00
Z=Total no. of students appeared in the examination	65.00	56.00	61.00
API $[X * (Y/Z)]$	7.43	7.25	6.50

Average API $[(AP1 + AP2 + AP3)/3]$: 7.06

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)	7.56	7.53	7.20
Y=Total no. of successful students	53.00	55.00	41.00
Z=Total no. of students appeared in the examination	53.00	57.00	43.00
API $[X*(Y/Z)]$:	7.56	7.27	6.87

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

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	63.00	63.00
X=No. of students placed	52.00	35.00	29.00
Y=No. of students admitted to higher studies	0.00	2.00	3.00
Z= No. of students taking up entrepreneurship	0.00	0.00	1.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$:	85.25	58.73	52.38

Average Placement Index = $(P_1 + P_2 + P_3)/3$: 65.45 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. S. S. Sreeja Mole	XXXXXXXX43D	Ph.D	Anna University	Information and Communication Engineering	03/06/2024	2.1	Professor	Professor	03/06/2024	Regular	Yes		Yes
2	Dr. Jasmine J C Sheeja	XXXXXXXX06L	Ph.D	Anna University	Information and Communication Engineering	12/06/2025	1.1	Assistant Professor	Associate Professor	29/10/2025	Regular	Yes		No
3	N. Michael Franklin	XXXXXXXX50D	M.E.	Anna University	Applied Electronics	01/07/2014	12	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Mr. K. Gopal Ram	XXXXXXXX64C	M.E.	Sathyabama University	Electronics and Control Engineering	11/01/2016	10.6	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Mrs. A. B. Evanjalín	XXXXXXXX48G	M.E.	Sathyabama University	Embedded Systems	25/06/2015	11	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mrs. M. L. Ashly Beby	XXXXXXXX25L	M.E.	Anna Univerity	Power Electronics & Drives	22/08/2013	12.10	Assistant Professor	Assistant Professor		Regular	No	30/06/2026	No
7	Mrs. V. Jino Shiny	XXXXXXXX29R	M.E.	Anna Univerity	Applied Electronics	01/07/2016	10	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr. G. Biju George	XXXXXXXX79K	M.E.	Anna University	Communication Systems	01/07/2019	7	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mrs. P. Baby Shola	XXXXXXXX83L	M.E.	Anna Univerity	Communication Systems	01/06/2016	10.1	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mrs. E. Ramola	XXXXXXXX45G	M.E.	Anna University	Communication Systems	16/12/2019	6.6	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mr. R. Robert	XXXXXXXX37E	M.E.	Anna Univerity	Applied Electronics	05/06/2023	3	Assistant Professor	Assistant Professor		Regular	No	30/06/2026	No
12	Dr. G. Anuthirsha	XXXXXXXX48N	Ph.D	Anna University	Electronics and Communication Engineering	19/07/2024	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mrs. J. Anisha Qualtin	XXXXXXXX85C	M.E.	Anna Univerity	Communication Systems	05/06/2023	3.1	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mrs. N. Abisha	XXXXXXXX96A	M.E.	Anna Univerity	Communication Systems	08/04/2026	0.3	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Dr. Ayesha Firdous	XXXXXXXX71N	Ph.D	Dr. MGR Educational and Research Institute	Electronics and Communication Engineering	02/01/2023	2.5	Professor	Professor		Regular	No	27/06/2025	No

16	Mr. G. Pratheep	XXXXXXXX45L	M.E.	Anna Univerity	VLSI Design	02/07/2018	5.11	Assistant Professor	Assistant Professor		Regular	No	28/06/2024	No
17	Dr.R. Eveline Pregitha	XXXXXXXX63B	Ph.D	Noorul Islam centre for Higher Education	Electronics and Communication Engineering	29/05/2026	0.1	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	62	62	62
UG1.C	62	62	61
UG1.D	62	61	63
UG1: ELECTRONICS AND COMMUNICATION ENGINEERING	186	185	186
DS=Total no. of students in all UG and PG programs in the Department	186	185	186
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= 186	S2= 185	S3= 186
DF=Total no. of faculty members in the Department	13	13	12
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= 13	F2= 13	F3= 12
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= 15.50	SFR2= 15.42	SFR3= 16.91
Average SFR for 3 years	SFR= 15.94		

C3. Faculty Qualification

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

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = $2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	3	10	9.00	19.44
2024-25(CAYm1)	2	11	9.00	17.78
2023-24(CAYm2)	1	11	9.00	15.00

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = $1/9 \times$ 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 = $2/9 \times$ 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 = $6/9 \times$ 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	0.00	6.00	12.00
2024-25	1.00	2.00	2.00	0.00	6.00	11.00
2023-24	1.00	1.00	2.00	0.00	6.00	11.00
Average	RF1=1.00	AF1=1.33	RF2=2.00	AF2=0.00	RF2=6.00	AF2=11.33

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.Prakash Manas	Branch Manager -TN & KERALA	L G ELECTRONICS INDIA LTD	The Evolution of Smart Consumer Electronics:IoT and connected Ecosystems	28.00
2	Mr.Stalin PC	Director	EMSOL SYSTEMS,CHENNAI	Industrial IoT and Embedded Systems design for R&D Applications	28.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.Stalin PC	Director	EMSOL SYSTEMS,CHENNAI	Industrial IoT practice: Sensor to cloud architecture for factory automation	28.00
2	Mrs.Ramya Kaveri	Technical Project Manager	Verticurl Pvt Ltd, Coimbatore	Agile and Scrum in Embedded Systems and IoT Product Development	28.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.Prakash Manas	Regional Manager	Actis Technologies Pvt Ltd	The Product Lifecycle in Consumer Electronics	28.00
2	Mr.Stalin PC	Director	EMSOL SYSTEMS,CHENNAI	Modern Communication Systems & Networks	28.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	1	0	1
2	No. of peer reviewed conference papers published	2	1	1
3	No. of books/book chapters published	4	1	0

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. G. Anuthirsha	-	ECE	Solar-Powered Automated Drip Irrigation System with Dynamic Temperature Responsive Control	TNSCST	6 months	0.08
Mrs. G. Anuthirsha	Mr. N. Michael Franklin	ECE	Sea Safety, Hazard Prediction and Health Emergency Communication System for Small Fishing Vessel	New World Trust	1 yr	1.00
						Amount received (Rs.):1.08

(CAYm2)

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

Total Amount (Lacs) Received for the Past 3 Years: 1.08

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. G. Anuhirsha	-	ECE	Solar-Powered Smart Swimming Pool Cleaning System	Peter's Engineers Constructions	5 months	0.23
Mr. N. Michael Franklin	G. Biju George	ECE	Design and Development of an Automated Water Level Monitoring and Motor Control System	The Spark Drive and Automation	6 months	0.50
Mr. R. Robert	Mrs. P. Baby Shola	ECE	Inverter Battery Health Monitoring System	Crystal Engineering Services	3 months	0.17
						Amount received (Rs.):0.90

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.S.S.Sreeja Mole	Mr. N. Micheal Franklin	ECE	Portable Temperature Measurement Unit for Railway AC Coach Maintenance	GM Engineers	3 months	0.10
Mrs. V. Jino Shiny	Mrs. A. B. Evanjalini	ECE	Water Purifier Performance Monitoring Unit	Crystal Engineering Services	4 months	0.10
						Amount received (Rs.):0.20

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. G. Biju George	Mrs. J. Anisha Qualtin	ECE	Microcontroller Based Digital Monitoring system	MATT Engg. Solutions	5 months	0.14
Dr. Ayesha Firdous	Mr. G. Pratheep	ECE	Digital Billing Management System	Rainbow Services	3 months	0.16
						Amount received (Rs.):0.30

Total amount (Lacs) received for the past 3 years: 1.40**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
Mrs. V. Jino Shiny	Finger Print Based Attendance System using IoT	6 months	0.20	0.20	Publication of research paper
Dr.S.S.Sreeja Mole	Advanced System Laboratory	-	3.78	3.78	Hands on Project Development
			Amount received (Rs.): 3.98		

(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. N. Michael Franklin	Revolutiniozing Waste Management with Smart Bins	6 months	0.20	0.20	Publication of research paper
			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. K. Gopal Ram	Automatic Irrigation System Using Soil Moisture Sensing	6 months	0.20	0.20	Publication of Conference paper
			Amount received (Rs.): 0.20		

Total amount (Lacs) received for the past 3 years : 4.38

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	Circuits and Devices Lab	30	Cathode Ray Oscilloscope, Dual Regulated Power Supply, Fixed Power Supply, Decade Inductance Box, Decade Capacitance Box, Decade Resistance Box	80%	Mrs. K. Sajitha Devi	Lab Instructor	B.E
2	Digital Lab	30	Digital I.C. Trainer Kit, Linear I.C. Tester, Digital I.C. Tester, Cathode Ray Oscilloscope, Digital Storage Oscilloscope, Function Generator, Analog Signal	60%	Mr. C.S. Chandhu	Lab Instructor	B.E
3	Microprocessor & Microcontroller Lab	30	Microwave bench setup klystron power supply, Microwave bench setup Gunn Diode power supply, E-Plane Tee, H-Plane Tee, Magic Tee, Circulator, Horn	60%	Mr. M. Sajin	Lab Instructor	M.C.A
4	Simulation Lab	30	Computer Systems with required Software's, MATLAB Software, LAN Trainer Kit, SPARTAN trainer Kit, Embedded Systems Kit with ARM based, Embedded	80%	Mr. R. Dipesh Kumar	Lab Instructor	DEEE

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Circuits and Devices Lab	•Circuit connections shall be verified with the circuit diagram before energizing. •CRO/DSO, function generators and DC power supplies shall be operated within their specified voltage/current ratings. •Soldering shall be carried out using proper stands and designated work areas. •Sensitive electronic components shall be handled using appropriate precautions. •Metal jewelry such as rings, wristwatches, bracelets, necklaces, and chains is removed before entering the laboratory. •Electrical equipment is not handled with wet hands. •Test leads, probes and patch cords shall be checked for damage before use. •Power shall be switched off before changing circuit connections or components.
2	Digital Lab	•IC numbers, pin configurations and orientation shall be verified before insertion into trainer boards. •Power shall be switched off before inserting/removing ICs or modifying connections. •CMOS and other static-sensitive ICs shall be handled using appropriate precautions. •Specific Safety Rules in the form of Do's and Don'ts are displayed in the laboratory. •Logic probes and test leads shall be connected only to designated test points. •Output terminals shall not be directly shorted or subjected to excessive loading. •Damaged ICs, trainer modules and patch cords shall be removed from service. •First Aid box, Fire Extinguishers are kept in the laboratory.
3	Microprocessor & Microcontroller Lab	•Trainer kits and development boards shall be operated properly. •Interface connections shall be verified before powering the system. •Power shall be switched off before changing peripheral or interfacing connections. •I/O ports shall be protected from over-voltage and incorrect connections. •Proper reset and programming procedures shall be followed during program execution. •Serial, USB and other communication interfaces shall be connected only to compatible devices.
4	Simulation Lab	•Only authorized person is allowed to install software and applications in the laboratory systems. •Passwords and database credentials shall not be shared or exposed. •External storage devices shall be used only after necessary approval. •All computers are provided with antivirus software, and USB ports are protected to prevent unauthorized access and virus infection. •Systems shall be logged out and properly shut down after completion of work.

D3. Project Laboratory/Research Laboratory

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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	21	7	87
2024-25(CAYm1)	480	24	23	9	84
2025-26(CAY)	480	24	26	10	95

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
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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

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	200000	185685	200000	183560	275000	267830	250000	238565
Software	175000	165784	250000	245920	140000	135000	155000	152000
SDGs	230000	226460	230000	224382	185000	176328	120000	118192
Support for faculty development	77500	74372	70000	66784	67500	64670	50000	49756
R & D	230000	221820	720000	718560	80000	78584	90000	88890
Industrial Training, Industry expert, Internship	800000	786050	600000	578060	675000	661654	1475000	1463504
Miscellaneous Expenses*	2550000	2510550	2450000	2432076	2250000	2228146	1675000	1667632
Total	4262500	4170721	4520000	4449342	3672500	3612212	3815000	3778539