

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electronics & Communication Engineering	Discipline : Engineering & Technology
Level : Under Graduate	Tier : 2
Application No : 11644	Date of Submission : 18-03-2026

PART A- Profile of the Institute

A1.Name of the Institute: EASA COLLEGE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 2008	Location of the Institute: Coimbatore
A2. Institute Address: NH - 47, Palakkad Main Rd, Navakkarai P.O, Kandhe Gounden Chavadi, Tamil Nadu 641105	
City:Coimbatore	State:Tamil Nadu
Pin Code:641105	Website:www.easacollege.com
Email:dean.qa@ecetonline.com	Phone No(with STD Code):-
A3. Name and Address of the Affiliating University (if any):	
Name of the University : ANNA UNIVERSITY	City: Chennai
State : Tamil Nadu	Pin Code: 641105
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: **10**
- No. of PG programs: **7**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Agricultural Engineering	2020	--	Agricultural Engineering
2	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Artificial Intelligence and Data Science
3	Engineering & Technology	UG	Biomedical Engineering	2024	--	Biomedical Engineering
4	Engineering & Technology	PG	Communication Systems	2012	--	Electronics and Communication Engineering
5	Engineering & Technology	PG	Computer Science and Engineering	2011	--	Computer Science and Engineering
6	Engineering & Technology	UG	Computer Science and Engineering	2008	--	Computer Science and Engineering
7	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2024	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
8	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2022	--	Computer Science and Engineering (Cyber Security)
9	Engineering & Technology	PG	Construction Engineering & Management	2014	--	Civil Engineering
10	Engineering & Technology	UG	Electrical & Electronics Engineering	2024	--	Electrical and Electronics Engineering
11	Engineering & Technology	UG	Electronics & Communication Engineering	2008	--	Electronics and Communication Engineering
12	Engineering & Technology	UG	Information Technology	2017	--	Information Technology
13	Engineering & Technology	PG	Manufacturing Engineering	2014	--	Mechanical Engineering
14	Engineering & Technology	UG	Mechanical Engineering	2009	--	Mechanical Engineering

15	Engineering & Technology	PG	Power Electronics and Drives	2012	--	Electrical and Electronics Engineering
16	Engineering & Technology	PG	Structural Engineering	2013	--	Civil Engineering
17	Management	PG	Master of Business Administration	2009	--	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
Electronics and Communication Engineering	No	Electronics & 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/COM AUTHORIT DETAILS
1	Electronics & Communication Engineering	UG	2008 / --	60	No	NA	60	2008	F.No. South 446415554 dated 03-Ja

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.N.KALEESWARI
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	57	41	59	40	7	8
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	0	0	0	1	0	0
N3=Separate division if any	3	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	1	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	57	42	59	41	7	8
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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	57	0	95.00
2023-24 (CAYm2)	60	41	1	70.00

Average [(ER1 + ER2 + ER3) / 3] = 90.00≡ 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	60.00	60.00
B=No. of students who graduated from the program in the stipulated course duration	26.00	4.00	7.00

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 20.32

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)	8.09	7.90	8.31
Y=Total no. of successful students	51.00	33.00	52.00
Z=Total no. of students appeared in the examination	57.00	42.00	59.00
API [X*(Y/Z)]	7.24	6.21	7.32

Average API[(AP1+AP2+AP3)/3] : 6.92

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

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

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2nd year/10)	7.91	8.25	0.00
Y=Total no. of successful students	30.00	52.00	26.00
Z=Total no. of students appeared in the examination	33.00	52.00	39.00
API [X * (Y/Z)]	7.19	8.25	0.00

Average API [(AP1 + AP2 + AP3)/3] : 5.15

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)	8.52	8.46	0.00
Y=Total no. of successful students	49.00	26.00	4.00
Z=Total no. of students appeared in the examination	52.00	26.00	4.00
API [X*(Y/Z)]:	8.03	8.46	0.00

Average API [(AP1 + AP2 + AP3)/3] : 5.50

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)
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FS*=Total no. of final year students	61.00	60.00	60.00
X=No. of students placed	18.00	2.00	7.00
Y=No. of students admitted to higher studies	0.00	0.00	0.00
Z= No. of students taking up entrepreneurship	5.00	2.00	1.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$:	37.70	6.67	13.33

Average Placement Index = $(P_1 + P_2 + P_3)/3$: 19.23 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	Natur Asso (Regu Conti Ad h
1	Dr.N.KALEESWARI	XXXXXXXX74G	Ph.D	ANNA UNIVERSITY	APPLIED ELECTRONICS	22/11/2021	4.3	Professor	Professor	22/11/2021	Regu
2	DR.V.LAKSHMI NARAYANAN	XXXXXXXX89F	Ph.D	ANNA UNIVERSITY	APPLIED ELECTRONICS	07/07/2025	0.5	Professor	Professor	07/07/2025	Regu
3	MANIVANNAN R	XXXXXXXX80K	M.E.	ANNA UNIVERSITY	POWER SYSTEM ENGINEERING	07/03/2022	4	Assistant Professor	Assistant Professor		Regu
4	SIVAKUMAR M	XXXXXXXX08P	M.E.	ANNA UNIVERSITY	APPLIED ELECTRONICS	10/05/2023	2.10	Assistant Professor	Assistant Professor		Regu
5	SANGEETHA GOPINATH	XXXXXXXX88A	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	05/08/2024	1.7	Assistant Professor	Assistant Professor		Regu
6	BLESSLIN SHENI J S	XXXXXXXX63K	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	02/01/2025	1.2	Assistant Professor	Assistant Professor		Regu
7	BOSE V V	XXXXXXXX17E	M.E.	APJ Abdul Kalam University	VLSI & EMBEDDED SYSTEM	12/05/2025	0.10	Assistant Professor	Assistant Professor		Regu
8	ANGELINE FELICIA J	XXXXXXXX66M	M.E.	ANNA UNIVERSITY	EMBEDDED SYSTEM	04/07/2025	0.8	Assistant Professor	Assistant Professor		Regu
9	ARUNPRASATH N	XXXXXXXX09M	M.E.	ANNA UNIVERSITY	EMBEDDED SYSTEMS	16/03/2022	3.2	Assistant Professor	Assistant Professor		Regu
10	THENMOZHI S	XXXXXXXX78F	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	02/05/2023	2.4	Assistant Professor	Assistant Professor		Regu
11	ALKA R	XXXXXXXX31K	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	01/02/2023	1.2	Assistant Professor	Assistant Professor		Regu
12	KALAIVANI M	XXXXXXXX22A	M.E.	ANNA UNIVERSITY	APPLIED ELECTRONICS	02/07/2018	5.8	Assistant Professor	Assistant Professor		Regu
13	SARATH SANKAR T S	XXXXXXXX65G	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	01/02/2023	1.2	Assistant Professor	Assistant Professor		Regu
14	ROOPASREE A	XXXXXXXX23H	M.E.	ANNA UNIVERSITY	EMBEDDED SYSTEM	22/08/2022	1.6	Assistant Professor	Assistant Professor		Regu
15	CHANDRU K	XXXXXXXX02A	M.E.	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	24/08/2022	3.6	Assistant Professor	Assistant Professor		Regu
16	DR.BIJU A C	XXXXXXXX61C	Ph.D	Anna University	BIOMEDICAL ENGINEERING	01/07/2022	3.8	Professor	Professor	01/07/2022	Regu
17	MOHAN KUMAR E	XXXXXXXX06D	M.E.	Anna University	APPLIED ELECTRONICS	26/06/2019	6.8	Assistant Professor	Assistant Professor		Regu
18	ASHIK M	XXXXXXXX30M	M.E.	Anna University	VLSI DESIGN	02/07/2015	10.8	Assistant Professor	Assistant Professor		Regu
19	Dr. Manju P	XXXXXXXX68J	Ph.D	Anna University	POWER SYSTEMS	04/10/2023	2.5	Professor	Professor	04/10/2023	Regu

20	Dr. MEVIN JOSE V I	XXXXXXXX59H	Ph.D	Manonmanium sundaranar university	APPLIED ELECTRONICS-INFORMATION TECHNOLOGY	06/05/2025	0.10	Associate Professor	Associate Professor	06/05/2025	Regu
21	NAVIN Y	XXXXXXXX69D	M.E.	ANNA UNIVERSITY	VLSI DESIGN	04/06/2021	4.9	Assistant Professor	Assistant Professor		Regu
22	RAJESHWARI A	XXXXXXXX13P	M.E.	ANNA UNIVERSITY	VLSI DESIGN	04/06/2020	5.9	Assistant Professor	Assistant Professor		Regu
23	Dr, RENUGADEVI R	XXXXXXXX81N	Ph.D	ANNA UNIVERSITY	ELECTRONICS	11/08/2022	1.10	Professor	Professor	11/08/2022	Regu
24	ABIRAMI A	XXXXXXXX87M	M.E.	Anna University	COMMUNICATION SYSTEMS	29/09/2025	0.5	Assistant Professor	Assistant Professor		Regu

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

C2. Student-Faculty Ratio (SFR)

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

UG1=1st UG program

UGn=nth UG program

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

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

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

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

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

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

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

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

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

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

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

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	60	60	60
UG1.C	60	60	60
UG1.D	60	60	60
UG1: Electronics & Communication Engineering	180	180	180
PG1.A	18	18	18
PG1.B	18	18	18
PG1: Communication Systems	36	36	36
DS=Total no. of students in all UG and PG programs in the Department	216	216	216
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= 216	S2= 216	S3= 216
DF=Total no. of faculty members in the Department	15	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= 15	F2= 13	F3= 12
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 14.40	SFR2= 16.62	SFR3= 18.00
Average SFR for 3 years	SFR= 16.34		

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	10.00	21.00

2024-25(CAYm1)	3	10	10.00	17.50
2023-24(CAYm2)	3	9	10.00	16.50

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = $1/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents.}$
- RF2= No. of Associate Professors required = $2/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- RF3= No. of Assistant Professors required = $6/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- 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	3.00	2.00	1.00	7.00	11.00
2024-25	1.00	3.00	2.00	0.00	7.00	10.00
2023-24	1.00	3.00	2.00	0.00	7.00	9.00
Average	RF1=1.00	AF1=3.00	RF2=2.00	AF2=0.33	RF2=7.00	AF2=10.00

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)

(CAYm2)

(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	1	6	10
2	No. of peer reviewed conference papers published	0	4	3
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.Biju A C	Mr.Arun Prasath N	ECE	Development of AI-based Smart Health Monitoring System using Wearable Sensors	Sara Controls and Automation	8 Months	325000.00
Dr.N.Kaleeswari	Mrs Sangeetha Gopinath	ECE	Wireless EV Charging Monitoring System	Sara Controls and Automation	10 Months	350000.00
						Amount received (Rs.):675000.00

(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
Dr.N.Kaleeswari	Mr.Siva Kumar N	ECE	Design and Implementation of IoT-based Smart Irrigation Monitoring System	Sara Controls and Automation	6 Months	250000.00
Mr.Arun Prasath N	Mr Navin Y	ECE	Embedded Deep Learning System for Industrial Fault Detection	Sara Controls and Automation	10 Months	325000.00
						Amount received (Rs.):575000.00

(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.N.Kaleeswari	Mr.Ashik M	ECE	AI-based Accident Detection and Alert System	Sara Controls and Automation	8 Months	270000.00
						Amount received (Rs.):270000.00

Total Amount (Lacs) Received for the Past 3 Years: 1520000.00

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.N.Kaleeswari	Mr.Siva Kumar N	ECE	Industrial Automation using PLC and SCADA	Sara Controls and Automation	10 Months	225000.00
Dr.Manju P	Mr.Arun Prasath N	ECE	AI-Based Smart Surveillance System	Magic Myna	10 Months	225000.00
Dr.Biju A C	Mr Ashik M	ECE	Low-Cost Health Monitoring System using Wearable Sensors	Sara Controls and Automation	10 Months	300000.00
Dr.Mebin Jose V I	Mr Chandru K	ECE	AI-Based Energy Management System for Smart Homes	Magic Myna	8 months	200000.00
						Amount received (Rs.):950000.00

(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
Dr.Biju AC	Mohan Kumar E	ECE	Design of Smart IoT-Based Home Automation System	YOI Robotics	6 Months	250000.00
Dr.N.Kaleeswari	Mr.Arun Prasath N	ECE	Embedded System for Electric Vehicle Monitoring	ForschE	6 Months	270000.00
						Amount received (Rs.):520000.00

(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.N.Kaleeswari	Mr.Ashik M	ECE	5G-Based Smart Communication System	Magic Myna	6 months	150000.00
						Amount received (Rs.):150000.00

Total amount (Lacs) received for the past 3 years: 1620000.00

Note*:

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

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

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

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr.N.Kaleeswari N	Development of IoT-Based Smart Patient Fall Detection System Using Sensors	6 MONTHS	250000.00	250000.00	Developed a real-time IoT-based fall detection system using sensors
Dr.Biju A C	Design of High-Speed Digital Signal Processing System Using FPGA	6 MONTHS	175000.00	175000.00	Designed a high-speed DSP system using FPGA
Dr.Mebin Jose V I	Secure Wireless Communication Using FPGA-Based Encryption	8 MONTHS	250000.00	250000.00	Development of a real-time secure wireless communication prototype using FPGA.
			Amount received (Rs.): 675000.00		

(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
Dr.N.Kaleeswari	Smart IoT-Based Air Quality Monitoring System for Urban Areas	6 MONTHS	275000.00	275000.00	Developed an IOT based air quality monitoring system
Dr.Manju P	Optimization of Wireless Communication System Using Adaptive Signal Processing	6 MONTHS	245000.00	245000.00	Designed adaptive signal processing model.
			Amount received (Rs.): 520000.00		

(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
Dr.Biju AC	Design and Simulation of Low Power VLSI Circuits for Portable Devices	6 months	200000.00	225000.00	Designed low-power VLSI circuit, Reduced power consumption and improved efficiency,Simulation validated using design tools,Performance documented.
Dr.Renuga Devi R	Performance Enhancement of Wireless Communication Using Adaptive Filtering Techniques	6 months	230000.00	145000.00	Developed adaptive filtering techniques, Improved signal clarity and reduced interference,Simulation validated using MATLAB.
			Amount received (Rs.): 430000.00		

Total amount (Lacs) received for the past 3 years : 1625000.00

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	ENGINEERING PRACTICES	30	☐ Soldering guns ☐ Multimeter ☐ CRO ☐ Function generator ☐ Digital test kit ☐ Regulated power supplies	16	SUBRAMANI	Lab Technician	ITI
2	CIRCUITS ANALYSIS LABORATORY	30	☐ CRO ☐ Function Generator ☐ Dual regulated power supplies	12	SUBRAMANI	Lab Technician	ITI
3	ELECTRONIC DEVICES AND CIRCUIT	30	☐ Standalone desktop CRO ☐ Function Generator ☐ Dual regulated power supplies	12	SUBRAMANI	Lab Technician	ITI

4	LINEAR INTEGRATED CIRCUITS LABORATORY	30	☐ CRO ☐ DSO ☐ Function ☐ Generators ☐ Dual regulated	12	BAGAVATHI	Lab Techniciæ	B.E-ECE
5	COMMUNICATION SYSTEMS LABORATORY	30	☐ Trainer ki schemes ☐ Trainer kits for ASK ☐ Trainer kits for PSK ☐ Trainer kits for BPSK	12	BAGAVATHI	Lab Techniciæ	B.E-ECE
6	VLSI LABORATORY	30	☐ Personal Computers ☐ DSO ☐ Function Generator ☐ Power supplies ☐ FPGA Arduino	16	BAGAVATHI	Lab Techniciæ	B.E-ECE

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	ENGINEERING PRACTICES LABORATORY	☐ Keep the shop floor clean, free from dirt. ☐ Wear tight-fitting clothing. ☐ Never operate a machine without understanding the controls. ☐ Keep oil and grease away from the shop floor. ☐ Ensure all safety guards are in place before operating machinery. ☐ Store unused tools properly. ☐ Keep sharp tools with edges pointing towards the table edge. ☐ Avoid adjusting belts while machines are running. ☐ Keep sharp tools in their proper place. ☐ Never work on electrical wires when the power is on. ☐ Maintain sufficient distance between yourself and the working table while cutting.
2	CIRCUITS ANALYSIS LABORATORY	☐ Isolation transformers for safe circuit testing. ☐ Availability of insulated tools and equipment. ☐ Display of component handling guidelines.
3	ELECTRONICS DEVICES AND CIRCUITS LABORATORY	☐ Fire extinguishers near workstations. ☐ Clear labeling of power supply terminals. ☐ Training on safe soldering techniques.
4	LINEAR INTEGRATED CIRCUITS LABORATORY	☐ Proper insulation of OP-AMP and IC modules. ☐ Protective covers for exposed connections. ☐ Safety training for high-frequency signal generation.
5	COMMUNICATION SYSTEMS LABORATORY	☐ Signal generators and analyzers with inbuilt safety features. ☐ Shielded cables to avoid signal interference. ☐ Controlled RF exposure to maintain safe levels.
6	VLSI LABORATORY	☐ Guidelines for safe usage of FPGA boards and power supplies. ☐ Access control to high-performance workstations. ☐ Instructions for EDA software usage to prevent accidental data loss.

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	4	84
2024-25(CAYm1)	600	30	22	4	61
2025-26(CAY)	600	30	26	5	73

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   	15332535	13689763	7566990	6879082	4848530	617648	4965506	4916343
Library 	92236	82354	58264	52967	212205	202100	211503	209409
Laboratory equipment   	6764933	6040119	6884790	6258900	8239238	7846893	7299121	7226852
Teaching and non-teaching staff   	72806160	65005500	56224923	51113566	39576747	37692140	30123288	29825038
Outreach Programs   	1071840	957000	1029160	935600	1025866	977015	996896	987026
R&D 	4004280	3575250	3853894	3503540	3838604	3655813	3287803	3255250
Training, Placement and   	3311616	2956800	3596362	3269420	3598119	3426780	2077368	2056800
SDGs 	2217600	1980000	2855600	2596000	2812520	2678590	1272600	1260000
Entrepreneurship 	511728	456900	536720	487927	523452	498526	461469	456900
Others, specify 	43299054	38659870	38276150	4796500	53668096	51112472	19250469	19059870
Total	149411982	133403556	120882853	79893502	118343377	108707977	69946023	69253488

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   	1200000	1210000	1300000	1265000	1000000	1050000	1000000	1020000
Software 	400000	370000	300000	330000	300000	270000	300000	255000
SDGs 	100000	95000	60000	63000	80000	90000	85000	90000
Support for faculty development   	250000	300000	200000	174000	200000	210000	250000	195000
R & D 	300000	280000	200000	209000	250000	200000	200000	235000
Industrial Training, Industry expert,   	200000	180000	150000	155000	200000	205000	150000	170000
Miscellaneous Expenses*   	30000	30000	40000	38000	40000	40000	30000	30000
Total	2480000	2465000	2250000	2234000	2070000	2065000	2015000	1995000