

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 : 12072	Date of Submission : 30-07-2026

PART A- Profile of the Institute

A1.Name of the Institute : SIR ISSAC NEWTON COLLEGE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 2010	Location of the Institute: NAGAPATTINAM
A2. Institute Address :VELANKANNI ROAD, ANDHANAPEETAI POST, PAPPAKOIL, NAGAPATTINAM 611 102. TAMIL NADU.	
City:Nagapattinam	State:Tamil Nadu
Pin Code:611102	Website:www.sincet.ac.in
Email:principalsincet@gmail.com	Phone No(with STD Code):04365-299763
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 : Autonomous CAY(2025-26)	
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	Agriculture Engineering	2020	2025	Agriculture Engineering
2	Engineering & Technology	PG	Applied Electronics	2014	--	Electronics and Communication Engineering
3	Engineering & Technology	UG	Artificial Intelligence and Data Science	2021	--	Artificial Intelligence and Data Science
4	Engineering & Technology	PG	CAD/CAM	2013	--	Mechanical Engineering
5	Engineering & Technology	PG	Computer Science and Engineering	2013	--	Computer Science and Engineering
6	Engineering & Technology	UG	Computer Science and Engineering	2010	--	Computer Science and Engineering
7	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	2025	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)

8	Engineering & Technology	UG	Electrical and Electronics Engineering	2026	--	Electrical and Electronics Engineering
9	Engineering & Technology	UG	Electronics and Communications Engineering	2010	--	Electronics and Communication Engineering
10	Engineering & Technology	UG	Information Technology	2023	--	Information Technology
11	Engineering & Technology	UG	Mechanical Engineering	2010	--	Mechanical Engineering
12	Engineering & Technology	PG	Power Systems Engineering	2014	--	Electrical and Electronics Engineering
13	Management	PG	Master of Business Administration	2026	--	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
Mechanical Engineering	No	Mechanical Engineering	UG
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Electronics and Communication Engineering	No	Electronics and Communications 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	Electronics and Communications Engineering	UG	2010 / --	60	No	NA	60	2010	AICTE: SRO-2010-1-13464971	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. V.KAVITHA
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	59	58	40	56	60	59	32
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	5	0	2	5	6	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	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.	59	63	40	58	65	65	32

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	59	0	98.33
2024-25 (CAYm1)	60	58	0	96.67
2023-24 (CAYm2)	60	40	0	66.67

Average [(ER1 + ER2 + ER3) / 3] = 87.22≡ 17.00

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

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

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	65.00	66.00	60.00
B=No. of students who graduated from the program in the stipulated course duration	28.00	23.00	22.00
Success Rate (SR)= (B/A) * 100	43.08	34.85	36.67

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 38.20

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)	8.40	7.80	7.70
Y=Total no. of successful students	54.00	36.00	50.00

Z=Total no. of students appeared in the examination	58.00	40.00	56.00
API $[X*(Y/Z)]$	7.82	7.02	6.88

Average API $[(AP1+AP2+AP3)/3]$: 7.24

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)	7.60	7.60	6.30
Y=Total no. of successful students	31.00	49.00	35.00
Z=Total no. of students appeared in the examination	36.00	52.00	48.00
API $[X * (Y/Z)]$	6.54	7.16	4.59

Average API $[(AP1 + AP2 + AP3)/3]$: 6.10

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)	8.70	8.30	7.50
Y=Total no. of successful students	49.00	33.00	45.00
Z=Total no. of students appeared in the examination	49.00	35.00	50.00
API $[X*(Y/Z)]$:	8.70	7.83	6.75

Average API $[(AP1 + AP2 + AP3)/3]$: 7.76

B9. Placement, Higher Studies, and Entrepreneurship

Table No.B9.1: Placement, higher studies, and entrepreneurship details.

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	65.00	66.00	60.00
X=No. of students placed	31.00	40.00	22.00
Y=No. of students admitted to higher studies	1.00	3.00	2.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$:	49.23	65.15	40.00

Average Placement Index = $(P_1 + P_2 + P_3)/3$: 51.46 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.KAVITHA	XXXXXXX82E	Ph.D	ANNA UNIVERSITY	WIRELESS COMMUNICATIONS SENSOR NETWORKS	01/07/2025	1	Associate Professor	Associate Professor	01/07/2025	Regular	Yes		Yes
2	Dr. A.BACKIA ABINAYA	XXXXXXX02R	Ph.D	ANNA UNIVERSITY	GREEN COMMUNICATION	01/07/2026	0	Assistant Professor	Assistant Professor		Regular	Yes		No
3	Mr. P.NAVANEETHAKRISHNAN	XXXXXXX40E	M.Tech	PRIST UNIVERSITY	APPLIED ELECTRONICS	01/06/2011	15.2	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Mr. P.ARIVAZHAGAN	XXXXXXX85R	M.E.	ANNA UNIVERSITY	APPLIED ELECTRONICS	25/01/2016	10.6	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Ms. K.JANANI	XXXXXXX99M	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	21/08/2023	2.11	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Ms. M.MAHISHANTHINI	XXXXXXX84E	M.E.	ANNA UNIVERSITY	APPLIED ELECTRONICS	09/08/2024	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mr. S.BALAMURUGAN	XXXXXXX65R	M.E.	ANNA UNIVERSITY	VLSI DESIGN	20/05/2013	13.2	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Ms. S.BASHIRUNISHA	XXXXXXX70Q	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	21/08/2023	2.11	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mrs. A.BADZIYA LIZY	XXXXXXX08D	M.E.	ANNA UNIVERSITY	APPLIED ELECTRONICS	19/07/2024	2	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Ms. D.NATHANGASHREE	XXXXXXX25K	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	20/01/2025	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mr. R.SATHEESH	XXXXXXX08P	M.E.	ANNA UNIVERSITY	VLSI DESIGN	20/01/2025	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mr. R.SARAVANAKUMAR	XXXXXXX42K	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	29/01/2026	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Dr. J.SUGANYA	XXXXXXX60J	Ph.D	SASTRA UNIVERSITY	ANTENNA DESIGN	19/07/2024	0.11	Assistant Professor	Assistant Professor		Regular	No	04/07/2025	No
14	Ms.K.NANDHINI	XXXXXXX44P	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	02/09/2023	1.8	Assistant Professor	Assistant Professor		Regular	No	23/05/2025	No
15	Mr. M. RAJADURAI	XXXXXXX12C	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	14/12/2020	3.11	Assistant Professor	Assistant Professor		Regular	No	27/11/2024	No
16	Ms. K. UDHAYANILA	XXXXXXX96K	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	16/08/2021	3.9	Assistant Professor	Assistant Professor		Regular	No	23/05/2025	No
17	Ms. S. SUMITRA	XXXXXXX35R	M.E.	ANNAMALAI UNIVERSITY	COMMUNICATION SYSTEMS	23/11/2022	1.1	Assistant Professor	Assistant Professor		Regular	No	11/01/2024	No

18	Mr. N. NARESH KUMAR	XXXXXXX39H	M.E.	ANNA UNIVERSITY	VLSI DESIGN	12/10/2022	1.7	Assistant Professor	Assistant Professor		Regular	No	28/05/2024	No
19	Ms. M. SUGANTHI	XXXXXXX98M	M.E.	ANNA UNIVERSITY	APPLIED ELECTRONICS	13/10/2022	1.6	Assistant Professor	Assistant Professor		Regular	No	03/05/2024	No
20	Mr. P. ARUN KUMAR	XXXXXXX71N	M.Tech	HINDUSTAN UNIVERSITY	EMBEDDED SYSTEMS	10/03/2014	9.11	Assistant Professor	Assistant Professor		Regular	No	29/02/2024	No
21	Ms. J. SUVEDHA	XXXXXXX29F	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	23/12/2019	6.6	Assistant Professor	Assistant Professor		Regular	No	29/06/2026	No
22	Ms. N. PARKAVI	XXXXXXX94B	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	14/01/2021	3.3	Assistant Professor	Assistant Professor		Regular	No	03/05/2024	No
23	Mr. R. ARAVINTHAN	XXXXXXX69F	M.E.	ANNA UNIVERSITY	APPLIED ELECTRONICS	14/12/2020	3.5	Assistant Professor	Assistant Professor		Regular	No	08/06/2024	No
24	Mr. S. SUNDAR SING	XXXXXXX78L	M.Tech	PRIST UNIVERSITY	COMMUNICATION SYSTEMS	23/01/2026	0.5	Assistant Professor	Assistant Professor		Regular	No	17/07/2026	No
25	Ms. K. KURALAMUTHU	XXXXXXX68R	M.E.	ANNA UNIVERSITY	APPLIED ELECTRONICS	07/09/2023	2.8	Assistant Professor	Assistant Professor		Regular	No	30/05/2026	No
26	Dr. H. REKHA	XXXXXXX05A	Ph.D	PONDICHERRY UNIVERSITY	ELECTRONICS AND COMMUNICATION ENGINEERING	03/12/2018	7.7	Associate Professor	Associate Professor	03/12/2018	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 Department1

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	65	60	62
UG1.C	60	62	65

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.D	62	65	66
UG1: Electronics and Communications Engineering	187	187	193
PG1.A	24	24	24
PG1.B	24	24	24
PG1: Applied Electronics	48	48	48
DS=Total no. of students in all UG and PG programs in the Department	235	235	241
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= 235	S2= 235	S3= 241
DF=Total no. of faculty members in the Department	13	13	13
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= 13
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= 18.08	SFR2= 18.08	SFR3= 18.54
Average SFR for 3 years	SFR= 18.23		

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)	2	11	11.00	14.55
2024-25(CAYm1)	2	11	11.00	14.55
2023-24(CAYm2)	1	12	12.00	12.08

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	0.00	3.00	2.00	8.00	11.00

2024-25	1.00	0.00	3.00	1.00	8.00	12.00
2023-24	1.00	0.00	3.00	1.00	8.00	12.00
Average	RF1=1.00	AF1=0.00	RF2=3.00	AF2=1.33	RF2=8.00	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.Kalyanasundaram Ramaiyan	Solution Architect	Saab Engineering India Pvt. Ltd., Hyderabad	Antenna design	30.00
2	Dr.V.parathasarathi	learning and development cell	CTC Training Resources Pvt Ltd	Communication system	25.00
3	Mr. P VIVEK	Director	PRECISURE TESTING & CALIBRATION (OPC) PRIVATE LIMITED	Embedded and IoT	10.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr.S.Thiyagarajan	Managing Director	GATE WIN, Trichy So I recommend entering:	Principles of Management	28.00
2	Mr.A.Vivek	Technical Lead	Niyata Infotech Pvt. Ltd., Chennai	Embedded Systems	25.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr.S.Thiyagarajan	Managing Director	GATE WIN, Trichy	Professional Ethics	25.00
2	Mr.N.Santhanagopal krishnan	centre head	TCIL-IT Education & Training,Tiruchirappalli	Digital Systems Design	30.00

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	2	2	5
2	No. of peer reviewed conference papers published	9	6	7
3	No. of books/book chapters published	0	0	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
Mr. P. Navaneethakrishnan	Mr. P. Arivazhagan	ECE	Development of Automated Digital Circuit System	TechShine Labs, Chennai	5	1.23
						Amount received (Rs.):1.23

(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
Mr. P. Navaneethakrishnan	Mr. S. Balamurugan	ECE	Remote Monitoring and Control System for LED Advertising Displays	NANOTECH, Nagapattinam	5	1.67
Dr. H. Rekha	Mr. P. Arivazhagan	ECE	Solar Integrated Intelligent UPS System	Surya Systems, Coimbatore	3	0.37
						Amount received (Rs.):2.04

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 3.27

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
Mr.P.Navaneethakrishnan		ECE	Development of IoT-Based Smart Water Level Monitoring System	Dreampixelz Automation, Coimbatore, Tamil Nadu	1 Month	0.24
Dr. H. Rekha		ECE	Attendance Monitoring and Parent Alert System	V S Boys Higher Secondary School, Thiruvavur, Tamil Nadu	2 Month	0.26
						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
Mr. P. Arivazhagan		ECE	Smart Attendance System	Sairam Matriculation Higher Secondary School, Thruthuraipoondi	1 MONTH	0.20
Mr.P.Navaneethakrishnan		ECE	Wireless Notice Board Using GSM/Wi-Fi	St. Antonys Matriculation Higher Secondary School, Thruthuraipoondi, Tamil Nadu	2 MONTH	0.42
						Amount received (Rs.):0.62

(CAYm3)

Total amount (Lacs) received for the past 3 years: 1.12

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. P. Navaneethakrishnan	Meta-learning Enabled Score-Based Generative Adversarial Networks	9 Month	1.75	1.75	Publication & Pursuing Ph.D
Mr. P. Arivazhagan	Approximate Multiplier circuit design	11 Month	1.30	1.30	Pursuing Ph.D
Mr. P. Arivazhagan	NPTEL Exam	3 Month	0.10	0.10	NPTEL Certificate
Mr. P. Navaneethakrishnan	Securing IoT-SDN Models: A Comprehensive Review of Deep Learning Approaches and Challenges	3 Month	0.10	0.10	Conference Publication
			Amount received (Rs.): 3.25		

(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. P. Arivazhagan	A Study on the Inclusion of Higher Dopant Proportion on ZrO2 Thin Film Deposited	3 Month	0.20	0.20	Paper Published
			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. P. Arunkumar	Processor Based Embedded System Using Machine Learning	11 Month	1.10	1.10	Pursuing Ph.D
Mr. P. Arivazhagan	NPTEL Exam	3 Month	0.15	0.15	Certificate Received
Dr.J.Samuel Manoharan	A Metaheuristic Approach Towards Enhancement of Network Lifetime in Wireless Sensor Networks	4 Month	0.30	0.30	Paper Published
Dr.J.Samuel Manoharan	A comprehensive study and review of tuning the performance on database	4 Month	0.30	0.30	Paper Published
Dr.J.Samuel Manoharan	RETRACTED: A novel hybrid machine learning approach for traffic sign detection using CNN-GRNN	5 Month	0.30	0.30	Paper Published
Dr.J.Samuel Manoharan	A Novel Load Balancing Aware Graph Theory Based Node Deployment in Wireless Sensor Networks	6 Month	0.42	0.42	Paper Published
Dr.J.Samuel Manoharan	Double attribute based node deployment in wireless sensor networks using novel weight	6 Month	0.43	0.43	Paper Published
			Amount received (Rs.): 3.00		

Total amount (Lacs) received for the past 3 years : 6.45

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	Digital Signal Processing Laboratory	30	1.Computer (intel,16gb RAM,i7-4790CPU@3.60GHz) 2. TMS320C6713 DSP Processor Kit 3.Cathode Ray Oscilloscope (0-30MHz)(count-27) 4. Function	20	Mr G.Murugesh Rajulu	Lab technician	DECE.,
2	Linear Integrated Circuits Laboratory	30	1.Digital Storage Oscilloscope (0-30 MHz) (count-15), 2.Power Supplies (0 – 30V/3A)(0-30V/3A)(0-5V/3A) (count-22) 3.Digital Multimeter (count-45) 4.Digital	24	Mr.S.Thiyagarajan	Lab technician	DECE., B.Sc. (IE)
3	Digital Laboratory	30	1.Digital IC Trainer Kit 2.Dual Trace Oscilloscope (0-30 MHz) 3.Function Generator (0-3MHz) (count-31),4. Digital IC Tester (count-5)	20	Mr.S.Thiyagarajan	Lab technician	DECE., B.Sc. (IE)
4	Electron Devices and Circuits Laboratory	30	1. CRO/DSO (0–30 MHz) (count-27/ count-15) 2.Signal Generators / Function Generators (3 MHz) (count-31) 3.Dual Regulated Power Supplies (0-30V) (count-22)	24	Mr.S.Thiyagarajan	Lab technician	DECE., B.Sc. (IE)
5	VLSI Laboratory	30	1.FPGA Boards /Open Source equivalent CAD VLSI design tool Digital Storage Oscilloscope (0–50 MHz) Bandwidth) Arbitrary Function Generator (0-4 Hz – 20	24	Mr G.Murugesh Rajulu	Lab technician	DECE.
6	Embedded system	30	1. Nvis 5004A ARM7 development board(count-5) 2.LPC2148 Development Kit(count-15) 2. Arduino Uno (Mass Development Boards 3. Raspberry Pi	24	Mr.V.sivasunraman	Lab technician	DEEE
7	Communication system	30	1.TDM trainer kit 2.PCM trainer kit 3.PAM trainer kit 4.PPM trainer kit 5.Pulse Code Demodulation Trainer (6.0 Line Coding and Decoding Trainer Kit 7 Pulse	24	Mr.V.sivasunramaniyan	Lab technician	DEEE

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Digital Signal Processing Laboratory	➤ Fire Extinguisher ➤ First Aid Box ➤ Proper Earthing for workbench and Computer Systems ➤ Electrical Safety Signage ➤ Proper Cable Management to avoid hazards
2	Linear Integrated Circuits Laboratory	➤ Fire Extinguisher ➤ First Aid Box ➤ Proper earthing for Laboratory workbench table ➤ Emergency Power Isolation Switch ➤ Safe Handling of Power Supplies and Measuring Instruments
3	Digital Laboratory	➤ First Aid Box ➤ Fire Extinguisher ➤ Voltage Stabilizer ➤ Proper Earthing for all Power Supplies ➤ Emergency Power Isolation Switch ➤ Miniature Circuit Breakers (MCBs) at all Workstations
4	Electron Devices and Circuits Laboratory	➤ First Aid Box ➤ Fire Extinguisher ➤ Voltage Stabilizer ➤ Proper Earthing for all Power Supplies ➤ Miniature Circuit Breakers (MCBs) at all Workstations ➤ Emergency Power Isolation Switch
5	VLSI laboratory	➤ Fire Extinguisher ➤ First Aid Box ➤ Voltage Stabilizer ➤ Proper Earthing for workbench and Computing Systems
6	Embedded System Laboratory	➤ Fire Extinguisher ➤ First Aid Box ➤ Proper Earthing for workbench Boards and Computers ➤ Safe Handling of Batteries and Power Modules
7	Communication System Laboratory	➤ Fire Extinguisher ➤ First Aid Box ➤ Proper Earthing for workbench ➤ Safe Operation of Signal Generators and Communication Equipment

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)	360	18	14	8	71
2024-25(CAYm1)	360	18	16	15	88
2025-26(CAY)	420	21	29	22	131

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	55550000	44328042	60000000	42720922	30000000	24077221	12000000	11326037
Library	140000	104707	70000	55649	150000	130500	350000	327000
Laboratory equipment	3550000	2758350	2500000	2287567	4000000	3581188	3000000	2804330
Teaching and non-teaching staff salary	45000000	34747763	25000000	21353830	25000000	19573474	35000000	31873243
Outreach Programs	2300000	1844298	2500000	2042353	2000000	1961240	350000	330280
R&D	700000	587000	1000000	816000	750000	621000	150000	150000
Training, Placement and Industry linkage	750000	609441	1500000	1290131	500000	453504	600000	575000
SDGs	1500000	1407841	3000000	2783185	1500000	1294400	10000	87296
Entrepreneurship	500000	345000	350000	300000	250000	218500	0	0
Others, specify	24000000	19704946	13500000	11000000	35000000	27464202	13000000	10366669
Total	133990000	106437388	109420000	84649637	99150000	79375229	64460000	57839855

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	600000	525410	500000	441520	800000	671216	600000	520000

Software	25000	19000	10000	8000	100000	75000	150000	70000
SDGs	250000	249070	450000	426000	300000	261715	25000	15200
Support for faculty development	100000	96769	150000	141200	200000	134262	200000	102012
R & D	150000	146750	250000	204000	200000	155250	50000	38500
Industrial Training, Industry expert, Internship	350000	348000	350000	320000	400000	317421	300000	271264
Miscellaneous Expenses*	300000	280000	300000	276865	300000	234200	300000	220000
Total	1775000	1664999	2010000	1817585	2300000	1849064	1625000	1236976