

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 : 11546	Date of Submission : 05-02-2026

PART A- Profile of the Institute

A1.Name of the Institute : AAA COLLEGE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 2013	Location of the Institute: Near Amathur Sivakasi Tamil Nadu
A2. Institute Address :AAA COLLEGE OF ENGINEERING AND TECHNOLOGY,AMATHUR VILLAGE,SIVAKASI,VIRUDHUNAGAR DISTRICT,TAMILNADU, 626 005.	
City:Virudhunagar	State:Tamil Nadu
Pin Code:626005	Website:www.aaaengcoll.ac.in
Email:aaaengineeringcollege@gmail.com	Phone No(with STD Code):04562-251111
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 : Non-Autonomous (Affiliated)	
A5. Ownership Status : Self financing	

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

- No. of UG programs: 8
- No. of PG programs: 1

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	--	Artificial Intelligence and Data Science
2	Engineering & Technology	UG	Civil Engineering	2013	--	Civil Engineering
3	Engineering & Technology	PG	Computer Science and Engineering	2025	--	Computer Science and Engineering
4	Engineering & Technology	UG	Computer Science and Engineering	2013	--	Computer Science and Engineering
5	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2023	--	Computer Science and Engineering (Cyber Security)
6	Engineering & Technology	UG	Electrical & Electronics Engineering	2013	--	Electrical and Electronics Engineering
7	Engineering & Technology	UG	Electronics & Communication Engineering	2013	--	Electronics and Communication Engineering
8	Engineering & Technology	UG	Information Technology	2023	--	Information Technology
9	Engineering & Technology	UG	Mechanical Engineering	2013	--	Mechanical Engineering

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/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRA ACCRED
1	Electronics & Communication Engineering	UG	2013 / --	60	No	NA	60	2013	Southern/1-44639934036/2025/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	1

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.B.Padmanaban
B. Nature of appointment:	Regular
C. Qualification:	M.E. and Ph.D.

B3. Program Details

Table No.B3.1: Admission details for the program excluding those admitted through multiple entry and exit points.

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	60	60	60	60
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	60	60	60	60	51	33	44

N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	6	3	7	2	5	5
N3=Separate division if any	3	3	0	0	3	1	3
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	69	63	67	56	39	52

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	60	60	3	105.00
2024-25 (CAYm1)	60	60	3	105.00
2023-24 (CAYm2)	60	60	0	100.00

Average $[(ER1 + ER2 + ER3) / 3] = 103.33 \approx 100$

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).	62.00	65.00	65.00
B=No. of students who graduated from the program in the stipulated course duration	41.00	24.00	38.00
Success Rate (SR)= (B/A) * 100	66.13	36.92	58.46

Average SR of three batches $((SR_1 + SR_2 + SR_3)/3)$: 53.84

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)	7.00	6.75	7.18
Y=Total no. of successful students	62.00	59.00	59.00
Z=Total no. of students appeared in the examination	60.00	60.00	60.00
API $[X*(Y/Z)]$	7.23	6.64	7.06

Average API $[(AP1+AP2+AP3)/3]$: 6.98

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)	6.76	6.54	6.68
Y=Total no. of successful students	58.00	65.00	49.00

Z=Total no. of students appeared in the examination	62.00	66.00	53.00
API [X * (Y/Z)]	6.32	6.44	6.18

Average API [(AP1 + AP2 + AP3)/3] : 6.31

B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	6.95	7.48	7.11
Y=Total no. of successful students	65.00	49.00	34.00
Z=Total no. of students appeared in the examination	65.00	49.00	37.00
API [X*(Y/Z)]:	6.95	7.48	6.53

Average API [(AP1 + AP2 + AP3)/3] : 6.99

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	62.00	65.00	65.00
X=No. of students placed	46.00	32.00	42.00
Y=No. of students admitted to higher studies	0.00	1.00	3.00
Z= No. of students taking up entrepreneurship	0.00	0.00	1.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$:	74.19	50.77	70.77

Average Placement Index = (P_1 + P_2 + P_3)/3: 65.24 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments**(Data to be filled in for the Department and Allied Departments)****C1. Faculty details of Department and Allied Departments**

Table No.C1: Faculty details in the Department for the past 3 years including CAY

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr.B.Padmanaban	XXXXXXXX25P	M.E. and Ph.D.	Anna University	Information and Communication Engineering	01/08/2022	3.5	Associate Professor	Professor	01/07/2025	Regular	Yes		Yes
2	Dr.T.Senthil	XXXXXXXX48N	M.E. and Ph.D.	Kalasalingam University	Electronics and Communication Engineering	10/08/2022	2.9	Associate Professor	Professor	01/08/2023	Regular	No	31/05/2025	No

3	Dr.K.Vishalatchi	XXXXXXXX78D	M.E. and Ph.D.	Anna University	Information and Communication Engineering	11/12/2024	1.1	Professor	Professor	11/12/2024	Regular	Yes		No
4	Dr.G.Jayahari Prabhu	XXXXXXXX29M	M.E. and Ph.D.	Kalasalingam Academy of Research and Education	Electronics and Communication Engineering	02/02/2022	3.11	Assistant Professor	Associate Professor	01/07/2025	Regular	Yes		No
5	Dr.N.Thenmoezhi	XXXXXXXX32H	M.E. and Ph.D.	Kalasalingam Academy of Research and education	Electronics and Communication Engineering	01/06/2016	9.8	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mrs.K.Padmapriya	XXXXXXXX25C	M.E.	Anna University	Communication Systems	10/12/2014	11.1	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mr.C.Shanmugaraja	XXXXXXXX92Q	M.E.	Anna University	Computer and Communication	23/02/2015	10.11	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr.D.John Elisa Deva Kumar	XXXXXXXX52G	M.Tech	Kalasalingam University	Digital Communication and Network Engineering	18/04/2019	6.9	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mrs.M.Arun Devi	XXXXXXXX80G	M.E.	Anna University	Applied Electronics	14/03/2022	3.10	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mrs.M.Gayathri	XXXXXXXX05C	M.E.	Anna University	Communication Systems	03/06/2024	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mrs.P.Ganeshwari	XXXXXXXX99G	M.Tech	Kalasalingam University	Digital Communication and Network Engineering	30/05/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mr.P.Vigneshwaran	XXXXXXXX79F	M.E.	Anna University	Embedded Systems Technologies	30/06/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mr.K.Kaleeswaran	XXXXXXXX79E	M.E.	Anna University	Communication Systems	14/08/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mrs.A.Muthumariselvi	XXXXXXXX99A	M.E.	Anna University	VLSI Design	14/08/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Mr.T.Philip Allwyn	XXXXXXXX57A	M.Tech	Kalasalingam University	Embedded Syatem Technology	12/02/2024	1.5	Assistant Professor	Assistant Professor		Regular	No	30/07/2025	No
16	Mrs.R.Kanagavalli	XXXXXXXX73R	M.E.	Anna University	Communication Systems	14/06/2024	1.1	Assistant Professor	Assistant Professor		Regular	No	30/07/2025	No
17	Dr.P.Saravanakumar	XXXXXXXX34A	M.E. and Ph.D.	Anna University	Information and Communication Engineering	03/08/2022	2.4	Assistant Professor	Assistant Professor		Regular	No	18/12/2024	No

18	Mrs.D.Suganya	XXXXXXXX81Q	M.E.	Anna University	Applied Electronics	01/08/2022	2.4	Assistant Professor	Assistant Professor		Regular	No	18/12/2024	No
19	Dr.S.Sevugarajan	XXXXXXXX81H	M.Sc. (Engineering) and PhD	Indian Institute of Science	Instrumentation Engineering	01/08/2018	5.9	Professor	Professor	01/08/2018	Regular	No	30/04/2024	No

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

C2. Student-Faculty Ratio (SFR)

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

UG1=1st UG program

UGn=nth UG program

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

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

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

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

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

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

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

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

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

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

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

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	66	63	66
UG1.C	63	66	62
UG1.D	66	62	65
UG1: Electronics & Communication Engineering	195	191	193
DS=Total no. of students in all UG and PG programs in the Department	195	191	193
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= 195	S2= 191	S3= 193
DF=Total no. of faculty members in the Department	13	11	11
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= 11	F3= 11
FF=The faculty members in F who have a 100% teaching load in the first-year courses	2	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 17.73	SFR2= 19.10	SFR3= 19.30
Average SFR for 3 years	SFR= 18.71		

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	9	9.00	21.11
2024-25(CAYm1)	3	8	9.00	17.22
2023-24(CAYm2)	5	6	9.00	20.56

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = $1/9 \times$ 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	2.00	2.00	1.00	6.00	10.00
2024-25	1.00	1.00	2.00	1.00	6.00	9.00
2023-24	1.00	2.00	2.00	1.00	6.00	8.00
Average	RF1=1.00	AF1=1.67	RF2=2.00	AF2=1.00	RF3=6.00	AF3=9.00

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr.N.Pothirasan	Propriretor	Hashan medicare Rajapalayam	ET3491-Embedded systems and IOT Design	40.00
2	Dr.N.Pothirasan	Propriretor	Hashan medicare Rajapalayam	CEC368-IOT Based system Design	8.00
3	Dr.N.Pothirasan	Propriretor	Hashan medicare Rajapalayam	CEC331-4G/5G Communication Network	8.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr.B.Krishnakumar	Founder/CEO	New Technology career Solution, Coimbatore	EC3501-Wireless Communication	24.00
2	Dr.B.Krishnakumar	Founder/CEO	New Technology career Solution, Coimbatore	CS3491-Artificial Intelligence and machine Learning	16.00
3	Dr.B.Krishnakumar	Founder/CEO	New Technology career Solution, Coimbatore	EC3552-VLSI and Chip Design	8.00
4	Dr.B.Krishnakumar	Founder/CEO	New Technology career Solution, Coimbatore	EC3451-Linear Integrated circuits	4.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.Jegan Chandran	Chief Executive	Waxwing Automation Ltd, Sivakasi	EC3351-Control systems	24.00
2	Mr.Jegan Chandran	Chief Executive	Waxwing Automation Ltd, Sivakasi	EC8791-Embedded and real Time systems	32.00

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	7	6	4
2	No. of peer reviewed conference papers published	18	16	20
3	No. of books/book chapters published	2	7	3

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr S. Sevugarajan (Professor & Head, ECE).	-	ECE	Smart Skin Disease Identification System	TNSCST (Tamil Nadu State Council for Science & Technology).	3 months	0.05
Dr G. Jayahariprabhu (Assistant Professor, ECE).	-	ECE	An Innovative Sanitation Solution With IoT Enabled Drainage System	An Innovative Sanitation Solution With IoT Enabled Drainage System	3 months	0.08
						Amount received (Rs.):0.13

(CAYm2)

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 0.13**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)

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years:**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.T.Pilip Alwyn	Research	4 Months	0.04	0.04	Faculty research domains
Mrs.Kanagavalli	Research	4 Months	0.04	0.04	Student publications
Mrs.K.Padmapriya	Research	12 Months	0.12	0.12	IEEE Conference
Mr.C.Shanmugaraja	Research	12 Months	0.12	0.12	Student publications
Mrs.M.Gayathri	Research	12 Months	0.12	0.12	Conference Presentation
Mrs.N.Thenmoehi	Research	12 Months	0.12	0.12	IEEE Publication
Dr.K.Vishalatchi	AI-Powered NLP Systems	12 Months	0.12	0.12	IEEE scopus Conference
Dr.G.Jayahari prabhu	Smart classroom automati	6 Months	0.05	0.05	Scopus Journal Publication
Dr.B.Padmanaban	Enhanced Detection Of Int	12 Months	0.25	0.25	Scopus Journal Publication
Dr.B.Padmanaban	Studies of the μ -Scaled	12 Months	0.15	0.15	Scopus Journal Publication
Dr.B.Padmanaban	Growth, Characterizations	12 Months	0.30	0.30	SCI Journal Publication
Dr.N.Thenmoezhi	AI-Powered NL	6 Months	0.10	0.10	IEEE Scopus Conference
Dr.N.Thenmoezhi	Energy-Efficient Routing	6 Months	0.12	0.12	IEEE Scopus Conference
Mrs.K.Padmapriya	Mechanical, thermal and	6 Months	0.15	0.15	Scopus Journal Publication
Dr.N.Thenmoezhi	Multi Objective Image	12 Months	0.35	0.35	SCI Journal with Impact
			Amount received (Rs.): 2.15		

(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
Mrs.D.Suganya	Women Safety Patrolling System	6 Months	0.12	0.12	Develop awareness of smart surveillance and security system design concepts.
Dr.T.Senthil	Compact and Integrated Microstrip Antenna for 5G Applications	6 Months	0.15	0.15	Analyze techniques for antenna miniaturization and performance enhancement.
Mrs.K.Padmapriya	Development of Digital Twin for remote Monitoring and Controll of a RC Car	6 Months	0.14	0.14	Gain knowledge of IoT, real-time data synchronization, and cloud integration.
Mrs.N.Thenmoehi	Detection of Brain Tumor in MRI Images Using Segmentation Algorithm	6 Months	0.08	0.08	Learn how computational methods assist in medical diagnosis.
Mr.P.Samayan	Traffic Analysis Attack for Identifying User's Online Activities	6 Months	0.12	0.12	Analyze different traffic analysis techniques and attack models.
Mr.C.Shanmugaraja	Live Human Detecting Robot for Earthquake Rescue Operation.	6 Months	0.14	0.14	Understand the principles of robotics and embedded systems used in rescue operations.
Dr.G.Jayahari prabhu	Efficient Feature Extraction and Segmentation Methods Used in Tuberculosis Detection	6 Months	0.10	0.10	Paper publication in IEEE Scopus indexed Conference.
Mrs.K.Padmapriya	Neural Network Based Decision Support System for Forecasting the Power Needs of Electric Vehicle	6 Months	0.15	0.15	Paper publication in Scopus Journal
Mrs.K.Padmapriya	Deep Learning-based Efficient Framework for Predicting Lane Change	6 Months	0.12	0.12	Paper publication in IEEE Scopus indexed Conference.
Mrs.K.Padmapriya	An Optimal Prediction of Leaf Disease Based on Hybrid Deep Learnings and Metaheuristic Technique	4 Months	0.15	0.15	Paper publication in Scopus Journal
			Amount received (Rs.): 1.27		

(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.C.Shanmugaraja	Research	12 Months	0.12	0.12	Student publications and project-based learning enhancement.
Mrs.N.Thenmoehi	Research	12 Months	0.12	0.12	Paper publication in IEEE Conference
Mrs.K.Padmapriya	Research	12 Months	0.12	0.12	Paper publication in IEEE Conference
Dr.G.Jayahari prabhu	Performance Analysis of Si	6 Months	0.05	0.05	Paper publication in IEEE Conference
Dr.G.Jayahari prabhu	Building and Monitoring	6 Months	0.15	0.15	Paper publication in IEEE Scopus indexed Conference
Dr.G.Jayahari prabhu	Investigation on Mechani	3 Months	0.15	0.15	Paper publication in SCI Journal with Impact factor(2.09)
Dr.B.Padmanaban	Synthesis, In silico mappi	12 Months	0.35	0.35	Paper publication in SCI Journal with Impact factor(4.0)
			Amount received (Rs.): 1.06		

Total amount (Lacs) received for the past 3 years : 4.48

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	Devices Laboratory	65	Major Equipment • Cathode Ray Oscilloscope (CRO) / Digital Storage Oscilloscope • Function Generator • Dual Channel DSO • Power Supply	12	Mr.N.Varadharajan	Technician	D.E.E.E
2	Communication Systems Laboratory	65	Major Equipment • Analog Communication Trainer Kits (AM, FM) • Digital Communication Trainer Kits (PCM, PAM, Modulation, ASK, FSK, PSK)	23	Mr.N.Varadharajan	Technician	D.E.E.E
3	Digital Signal Processing Laboratory	65	Major Equipment: • Desktop Computers • UPS • Network Switch • DSP Processor Trainer Kits (Fixed & Floating Point) • Analog Distortion	21	Mr.K.S.Karthikeyan	Technician	B.E.,
4	Embedded Systems Laboratory	65	Major Equipment • Arm processor • 8051 Microcontroller kit • Computer Systems • Digital Storage Oscilloscope (400 MHz) • Multi	15	Mr.K.S.Karthikeyan	Technician	B.E.,
5	Microprocessor & Microcontroller Laboratory	33	Major Equipment • 8085, 8086, and 8051 Trainer Kits (12–30 units each, LCD variants) • Interfacing Module: 8255 PPI, 8253/8254 Timer, 8279	06	Mr.Thirupathi	Technician	D.E.E.E
6	Engineering Practices Laboratory	33	Major Equipment • IC trainer Kit • Tool Kit • House wiring System • Soldering Kit • Open-circuit trainer kit • Breadboard • Test leads	24	Mr.Thirupathi	Technician	D.E.E.E

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Devices Laboratory	1. Do's and Don'ts for the concerned laboratory need to be followed strictly. 2. Electrical Wires are protected by Miniature Circuit Breaker. 3. First aid kit. 4. Fire Extinguisher. 5. Proper earthing. 6. CCTV cameras. 7. Students are supposed to wear lab coat, shoes and avoid loose clothing. 8. Girls' students should have their hair tucked under their coat or have it in a knot. 9. Damaged equipment's are identified and serviced at the earliest. 10. Periodical calibration of the lab equipment's is regularly done. 11. A clean and organized laboratory is maintained.
2	Communication Systems Laboratory	1. Do's and Don'ts for the concerned laboratory need to be followed strictly. 2. Electrical Wires are protected by Miniature Circuit Breaker. 3. First aid kit. 4. Fire Extinguisher. 5. Proper earthing. 6. CCTV cameras. 7. Students are supposed to wear lab coat, shoes and avoid loose clothing. 8. Girls' students should have their hair tucked under their coat or have it in a knot. 9. Damaged equipment's are identified and serviced at the earliest. 10. Periodical calibration of the lab equipment's is regularly done. 11. A clean and organized laboratory is maintained.

3	Microprocessor & Microcontroller Laboratory,	1. Do's and Don'ts for the laboratory followed strictly (e.g., lab coat/formal dress, no energized circuit contact, report equipment failure, no late entry, no unauthorized experiments/internet/USB). 2. Electrical wires protected by Miniature Circuit Breaker. 3. First aid kit (monthly checked, campus dispensary backup). 4. Fire extinguisher (monthly checked, annual workshop). 5. Proper earthing (monthly checked). 6. CCTV cameras (monthly checked). 7. Students wear lab coat, shoes; avoid loose clothing; girls' hair tucked/knot. 8. Damaged equipment identified/serviced earliest. 9. Periodical calibration of equipment done regularly. 10. Clean/organized lab maintained (monthly housekeeping: floor/glass cleaning, garbage/cobweb removal, storage areas). 11. Electrical maintenance (monthly:connections/fans/lights/AC/plugs; weekly: water leakage). 12. Weekly equipment maintenance (dust removal, lubrication/function/network/virus checks). 1. Do's and Don'ts for the concerned laboratory need to be followed strictly. 2. Electrical Wires are protected by Miniature Circuit Breaker. 3. First aid kit. 4. Fire Extinguisher. 5. Proper earthing. 6. CCTV cameras. 7. Students are supposed to wear lab coat, shoes and avoid loose clothing. 8. Girls' students should have their hair tucked under their coat or have it in a knot. 9. Damaged equipment's are identified and serviced at the earliest. 10. Periodical calibration of the lab equipment's is regularly done. 11. A clean and organized laboratory is maintained.
4	Engineering Practices Laboratory	1. Do's and Don'ts for the concerned laboratory need to be followed strictly. 2. Electrical Wires are protected by Miniature Circuit Breaker. 3. First aid kit. 4. Fire Extinguisher. 5. Proper earthing. 6. CCTV cameras. 7. Students are supposed to wear lab coat, shoes and avoid loose clothing. 8. Girls' students should have their hair tucked under their coat or have it in a knot. 9. Damaged equipment's are identified and serviced at the earliest. 10. Periodical calibration of the lab equipment's is regularly done. 11. A clean and organized laboratory is maintained.
5	Embedded Systems Laboratory	1. Do's and Don'ts for the laboratory followed strictly (e.g., lab coat/formal dress, no energized circuit contact, report equipment failure, no late entry, no unauthorized experiments/internet/USB). 2. Electrical wires protected by Miniature Circuit Breaker. 3. First aid kit (monthly checked, campus dispensary backup). 4. Fire extinguisher (monthly checked, annual workshop). 5. Proper earthing (monthly checked). 6. CCTV cameras (monthly checked). 7. Students wear lab coat, shoes; avoid loose clothing; girls' hair tucked/knot. 8. Damaged equipment identified/serviced earliest. 9. Periodical calibration of equipment done regularly. 10. Clean/organized lab maintained (monthly housekeeping: floor/glass cleaning, garbage/cobweb removal, storage areas). 11. Electrical maintenance (monthly:connections/fans/lights/AC/plugs; weekly: water leakage). 12. Weekly equipment maintenance (dust removal, lubrication/function/network/virus checks). 13. Well-trained technical staff monitor at all times; equipment off when leaving. 14. Safety gloves/glasses available for handling.
6	Digital Signal Processing Laboratory	1. Do's and Don'ts for the laboratory followed strictly (e.g., lab coat/formal dress, no energized circuit contact, report equipment failure, no late entry, no unauthorized experiments/internet/USB). 2. Electrical wires protected by Miniature Circuit Breaker. 3. First aid kit (monthly checked, campus dispensary backup). 4. Fire extinguisher (monthly checked, annual workshop). 5. Proper earthing (monthly checked). 6. CCTV cameras (monthly checked). 7. Students wear lab coat, shoes; avoid loose clothing; girls' hair tucked/knot. 8. Damaged equipment identified/serviced earliest. 9. Periodical calibration of equipment done regularly. 10. Clean/organized lab maintained (monthly housekeeping: floor/glass cleaning, garbage/cobweb removal, storage areas). 11. Electrical maintenance (monthly:connections/fans/lights/AC/plugs; weekly: water leakage). 12. Weekly equipment maintenance (dust removal, lubrication/function/network/virus checks). 13. Well-trained technical staff monitor at all times; equipment off when leaving. 14. Safety gloves/glasses available for handling.

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)	540	27	23	12	77
2024-25(CAYm1)	600	30	25	12	75
2025-26(CAY)	660	33	30	17	83

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	6400000	6371018	5450000	5431427	3100000	2958794	9000000	8608272
Library	750000	690013	1500000	1554307	900000	802388	700000	654410
Laboratory equipment	6700000	5218340	6700000	6630041	8400000	8367314	6000000	5966550
Teaching and non-teaching staff salary	55000000	54179537	46500000	46760295	37600000	37557197	31000000	30935351
Outreach Programs	1000000	829257	1000000	1185359	2200000	2174073	500000	300242
R&D	400000	348920	400000	362623	2120000	2119972	300000	225928
Training, Placement and Industry linkage	3000000	2981257	2900000	2853423	2500000	2430991	900000	835512
SDGs	300000	36133	280000	273845	20000	19136	300000	352196
Entrepreneurship	1000000	761103	200000	190875	200000	150845	200000	180143
Others, specify	35000000	31245288	42380000	41871999	33480000	32014733	28300000	28232982
Total	109550000	102660866	107310000	107114194	90520000	88595443	77200000	76291586

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	720000	0	835000	704696	1065500	947760	3108820	0

Software	700000	677162	800000	727929	800000	760677	300000	220087
SDGs	50000	49380	30000	28655	25000	24390	25000	23415
Support for faculty development	60000	58255	25000	24300	45000	44870	50000	46320
R & D	52000	51250	74000	73748	91000	90000	50000	49000
Industrial Training, Industry expert, Internship	40000	39530	20000	19658	45000	44520	40000	39678
Lab Consumables, Furnitures, Staff Salary Etc.,	4780000	4729085	5634500	5561960	2348500	2348300	4971000	4769619
Total	6402000	5604662	7418500	7140946	4420000	4260517	8544820	5148119