

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 : 10485	Date of Submission : 04-07-2026

PART A- Profile of the Institute

A1.Name of the Institute: DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 2001	Location of the Institute: Mamallapuram Chennai
A2. Institute Address: ECR, POONJERI, MAMALLAPURAM, CHENNAI	
City: CHENNAI	State: Tamil Nadu
Pin Code: 603104	Website: www.dscet.ac.in
Email: DSCET@YAHOO.CO.IN	Phone No(with STD Code): 044-27442844
A3. Name and Address of the Affiliating University (if any):	
Name of the University : NIL	City: Chennai
State : Tamil Nadu	Pin Code: 600025
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status: Self financing	

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

- No. of UG programs: 17
- No. of PG programs: 8

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	Computer Application	PG	Master in Computer Applications	2007	--	Computer Application
2	Engineering & Technology	UG	Aeronautical Engineering	2007	--	Aeronautical Engineering
3	Engineering & Technology	PG	Aeronautical Engineering	2011	--	Aeronautical Engineering
4	Engineering & Technology	UG	Agricultural Engineering	2019	--	Agricultural Engineering
5	Engineering & Technology	UG	Artificial Intelligence and Data Science	2022	--	Artificial Intelligence and Data Science
6	Engineering & Technology	UG	Biomedical Engineering	2019	--	Biomedical Engineering
7	Engineering & Technology	UG	Civil Engineering	2012	--	Civil Engineering
8	Engineering & Technology	PG	Communication Systems	2010	--	Electronics and Communication Engineering
9	Engineering & Technology	PG	Computer Science and Engineering	2010	--	Computer Science and Engineering

10	Engineering & Technology	UG	Computer Science and Engineering	2001	--	Computer Science and Engineering
11	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2024	--	Computer Science and Engineering
12	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2022	--	Computer Science and Engineering
13	Engineering & Technology	UG	Computer Science and Engineering (Internet of Things)	2025	--	Computer Science and Engineering
14	Engineering & Technology	UG	Electrical and Computer Engineering	2025	--	Electrical and Electronics Engineering
15	Engineering & Technology	UG	Electrical and Electronics Engineering	2004	--	Electrical and Electronics Engineering
16	Engineering & Technology	UG	Electronics & Communication Engineering	2001	--	Electronics and Communication Engineering
17	Engineering & Technology	UG	Environmental Science & Technology	2025	--	Civil Engineering
18	Engineering & Technology	PG	Environmental Science & Technology	2025	--	Civil Engineering
19	Engineering & Technology	UG	Food Technology	2019	--	Food Technology
20	Engineering & Technology	PG	Industrial Safety Engineering	2025	--	Mechanical Engineering
21	Engineering & Technology	UG	Information Technology	2001	--	Information Technology
22	Engineering & Technology	UG	Mechanical Engineering	2004	--	Mechanical Engineering
23	Engineering & Technology	PG	Power Electronics and Drives	2012	--	Electrical and Electronics Engineering
24	Engineering & Technology	UG	Robotics and Artificial Intelligence	2025	--	Robotics and Artificial Intelligence
25	Management	PG	Master of Business Administration	2007	--	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
Biomedical Engineering	No	Biomedical Engineering	UG
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG
Food Technology	No	Food Technology	UG
Electrical and Electronics Engineering	No	Electrical and Electronics 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	PROGR DURAT
1	Electronics & Communication Engineering	UG	2001 / --	60	Yes	2022	60	2022	Southern/1-10969786073/2022/EOA	Granted accreditation for 3 years for the period (specify period)	2022	2025	2	4
Sanctioned Intake for Last Five Years for the Communication Systems														
Academic Year				Sanctioned Intake										
2024-25				60										
2023-24				60										
2022-23				60										
2021-22				120										
2020-21				120										
2019-20				120										

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.ANANDAN R
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)	2024-25 (CAY)	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)	2020-21 (CAYm4)	2019-20 (CAYm5)	2018-19 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	120	120	120	120
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	53	53	60	77	77	76	33
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	1	2	0	1	2	2

N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	53	54	62	77	78	78	35

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]
2024-25 (CAY)	60	53	0	88.33
2023-24 (CAYm1)	60	53	0	88.33
2022-23 (CAYm2)	60	60	0	100.00

Average [(ER1 + ER2 + ER3) / 3] = 92.22≡ 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	(2020-21) LYG	(2019-20) LYGm1	(2018-19) 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).	121.00	122.00	122.00
B=No. of students who graduated from the program in the stipulated course duration	15.00	48.00	28.00
Success Rate (SR)= (B/A) * 100	12.40	39.34	22.95

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 24.90

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(2023-24)	CAYm2(2022-23)	CAYm3 (2021-22)
Mean of CGPA or mean percentage of all successful students(X)	7.08	8.45	6.37
Y=Total no. of successful students	49.00	55.00	64.00
Z=Total no. of students appeared in the examination	53.00	60.00	77.00
API [X*(Y/Z)]	6.55	6.00	3.63

Average API[(AP1+AP2+AP3)/3] : 5.39

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	7.10	7.56	8.20
Y=Total no. of successful students	57.00	58.00	31.00

Z=Total no. of students appeared in the examination	57.00	64.00	36.00
API [$X * (Y/Z)$]	7.10	6.85	7.06

Average API [(AP1 + AP2 + AP3)/3] : 7.00

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.78	7.50	8.70
Y=Total no. of successful students	58.00	30.00	55.00
Z=Total no. of students appeared in the examination	58.00	31.00	62.00
API [$X*(Y/Z)$]:	7.78	7.26	7.72

Average API [(AP1 + AP2 + AP3)/3] : 7.59

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2020-21)	LYGm1(2019-20)	LYGm2(2018-19)
FS*=Total no. of final year students	121.00	122.00	122.00
X=No. of students placed	29.00	53.00	29.00
Y=No. of students admitted to higher studies	5.00	9.00	7.00
Z= No. of students taking up entrepreneurship	12.00	29.00	12.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$:	38.02	74.59	39.34

Average Placement Index = (P_1 + P_2 + P_3)/3: 50.65 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. ANANTHI J	XXXXXXXX69L	Ph.D	ANNA UNIVERSITY	APPLIED ELECTRONICS	05/07/2019	5.8	Associate Professor	Professor	22/07/2024	Regular	Yes		No
2	Mrs.JENITHA S	XXXXXXXX63P	M.E/M.Tech	ANNA UNIVERSITY	EMBEDDED SYSTEM AND TECHNOLOGY	13/01/2011	14.2	Assistant Professor	Assistant Professor		Regular	Yes		No

3	MRS. NIGILEESWARI B	XXXXXX91R	M.E/M.Tech	ANNA UNIVER SITY	COMMUNICA TION SYSTEM	21/06/2012	12.9	Assistant Professor	Assistant Professor		Regular	Yes		No
4	MRS. MEENAKSHI S	XXXXXX40K	M.E/M.Tech	ANNA UNIVERSITY	VLSI DESIGN	14/12/2020	4.3	Assistant Professor	Assistant Professor		Regular	Yes		No
5	MS. REVATHI P	XXXXXX84N	M.E/M.Tech	ANNA UNIVERSITY	COMMUNICATION SYSTEM	25/01/2021	4.2	Assistant Professor	Assistant Professor		Regular	Yes		No
6	MS. SILAMBARASI	XXXXXX04D	M.E/M.Tech	ANNA UNIVERSITY	APPLIED ELECTRONICS	08/04/2021	3.11	Assistant Professor	Assistant Professor		Regular	Yes		No
7	MS. SUDHA B	XXXXXX99B	M.E/M.Tech	ANNA UNIVERSITY	COMMUNICATION SYSTEM	04/08/2022	2.7	Assistant Professor	Assistant Professor		Regular	Yes		No
8	MR. VENKATESHWARAN P	XXXXXX58B	M.E/M.Tech	ANNA UNIVERSITY	APPLIED ELECTRONICS	24/08/2022	2.7	Assistant Professor	Assistant Professor		Regular	Yes		No
9	YAMUNA H	XXXXXX25H	M.E/M.Tech	ANNA UNIVERSITY	COMMUNICATION SYSTEM	05/07/2022	2.8	Assistant Professor	Assistant Professor		Regular	Yes		No
10	MR. DHAVA PERUMAL C	XXXXXX65Q	M.E/M.Tech	ANNA UNIVERSITY	VLSI DESIGN	07/08/2023	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
11	MRS. JEEVITHA N	XXXXXX78J	M.E/M.Tech	ANNA UNIVERSITY	VLSI DESIGN	22/07/2024	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
12	MRS. PRAVEENA S	XXXXXX24J	M.E/M.Tech	ANNA UNIVERSITY	APPLIED ELECTRONICS	01/08/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
13	MRS. ANGEL PRIYA D	XXXXXX48Q	M.E/M.Tech	ANNA UNIVERSITY	APPLIED ELECTRONICS	12/08/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
14	MR. INDIRA KUMAR M	XXXXXX16M	M.E/M.Tech	ANNA UNIVERSITY	APPLIED ELECTRONICS	04/06/2021	3.9	Assistant Professor	Assistant Professor		Regular	Yes		No
15	MR. VIVEKANANDAN P	XXXXXX23M	M.E/M.Tech	ANNA UNIVERSITY	VLSI DESIGN	21/06/2012	12.9	Assistant Professor	Assistant Professor		Regular	No	25/07/2024	No
16	MRS. SARANYA E	XXXXXX11B	M.E/M.Tech	ANNA UNIVERSITY	COMMUNICATION SYSTEM	15/06/2015	9.9	Assistant Professor	Assistant Professor		Regular	No	25/07/2024	No
17	JAYAKUMAR P S	XXXXXX11K	M.E/M.Tech	ANNA UNIVERSITY	APPLIED ELECTRONICS	03/03/2008	17	Assistant Professor	Associate Professor	01/07/2010	Regular	No	25/07/2024	No
18	BHUVANESWARI N	XXXXXX85N	M.E/M.Tech	ANNA UNIVERSITY	APPLIED ELECTRONICS	20/07/2022	2.8	Assistant Professor	Assistant Professor		Regular	No	25/07/2024	No
19	MS.PRIYADHARSHNI	XXXXXX02G	M.E/M.Tech	ANNA UNIVERSITY	COMMUNICATION SYSTEM	26/07/2022	1.11	Assistant Professor	Assistant Professor		Regular	No	06/07/2024	No
20	DR. GOVARDHAN S D	XXXXXX27A	Ph.D	ANNA UNIVERSITY	INFORMATION AND COMMUNICATION	18/10/2023	1.5	Professor	Professor		Regular	Yes		No
21	DR. REVATHI ALIAS PONMOZHI B	XXXXXX41Q	Ph.D	PONDICHERRY UNIVERSITY	BIOMETRICS AND CYBER SECURITY	18/06/2018	6.1	Associate Professor	Professor	30/04/2019	Regular	No	22/07/2024	No
22	Dr. V. JANAKIRAMAN	XXXXXX29N	Ph.D	ANNA UNIVERSITY	COMMUNICATION SYSTEM	09/09/2019	3.11	Professor	Professor	09/09/2019	Regular	No	05/09/2023	No

23	Dr. V. DEVARAJAN	XXXXXXXX33J	Ph.D	PONDICHERRY UNIVERSITY	WIRELESS COMMUNICATION	06/12/2019	3.9	Associate Professor	Associate Professor	06/12/2019	Regular	No	05/09/2023	No
24	Mr. D. HARIHARAN	XXXXXXXX68B	M.E/M.Tech	ANNA UNIVERSITY	EMBEDDED SYSTEM AND TECHNOLOGY	22/10/2013	9.10	Assistant Professor	Assistant Professor		Regular	No	05/09/2023	No
25	Mrs. K. ELAIYARANI	XXXXXXXX61M	M.E/M.Tech	ANNA UNIVERSITY	APPLIED ELECTRONICS	07/01/2019	4.6	Assistant Professor	Assistant Professor		Regular	No	31/07/2023	No
26	Ms. A. RAJESWARI	XXXXXXXX06E	M.E/M.Tech	ANNA UNIVERSITY	APPLIED ELECTRONICS	17/08/2022	1.9	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
27	Mr. S. SURESH KUMAR	XXXXXXXX59G	M.E/M.Tech	ANNA UNIVERSITY	COMMUNICATION SYSTEM	29/08/2022	1.9	Assistant Professor	Assistant Professor		Regular	No	30/05/2024	No
28	Mr. D. KANNAN	XXXXXXXX11J	M.E/M.Tech	ANNA UNIVERSITY	COMMUNICATION SYSTEM	12/06/2019	3.11	Assistant Professor	Assistant Professor		Regular	No	30/05/2023	No
29	Mrs. D. LATHA	XXXXXXXX52D	M.E/M.Tech	ANNA UNIVERSITY	COMMUNICATION SYSTEM	12/06/2019	3.11	Assistant Professor	Assistant Professor		Regular	No	30/05/2023	No
30	Ms. B. RAMYA	XXXXXXXX47J	M.E/M.Tech	ANNA UNIVERSITY	APPLIED ELECTRONICS	05/07/2019	4	Assistant Professor	Assistant Professor		Regular	No	31/07/2023	No
31	Mr. T. JANARTHAN	XXXXXXXX44P	M.E/M.Tech	ANNA UNIVERSITY	COMMUNICATION SYSTEM	05/07/2019	4.1	Assistant Professor	Assistant Professor		Regular	No	31/08/2023	No
32	Mr. J. ILANTHENDRAL	XXXXXXXX16B	M.E/M.Tech	ANNA UNIVERSITY	APPLIED ELECTRONICS	05/07/2019	4.1	Assistant Professor	Assistant Professor		Regular	No	14/08/2023	No
33	Ms. G. ANUVIDHYA	XXXXXXXX42E	M.E/M.Tech	ANNA UNIVERSITY	VLSI DESIGN	02/01/2020	2.4	Assistant Professor	Assistant Professor		Regular	No	30/05/2022	No
34	Mrs. K. YAZHINI	XXXXXXXX27H	M.E/M.Tech	ANNA UNIVERSITY	COMMUNICATION SYSTEM	16/08/2021	1.9	Assistant Professor	Assistant Professor		Regular	No	26/05/2023	No
35	MRS. HEMA J	XXXXXXXX06J	M.E/M.Tech	ANNA UNIVERSITY	APPLIED ELECTRONICS	03/07/2023	1	Assistant Professor	Assistant Professor		Regular	No	26/07/2024	No
36	DR. PAYAL SONI GUPTA	XXXXXXXX43E	Ph.D	SRM UNIVERSITY	APPLIED ELECTRONICS	01/08/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
37	Dr.ANANDAN R	XXXXXXXX57G	Ph.D	ANNA UNIVERSITY	INFORMATION AND COMMUNICATION	25/05/2006	20.1	Assistant Professor	Professor	01/06/2023	Regular	Yes		Yes
38	Mrs. NEETHU C FRANCIS	XXXXXXXX79P	M.E.	KARUNYA UNIVERSITY	APPLIED ELECTRONICS AND INSTRUMENTATION	21/08/2023	2.10	Assistant Professor	Assistant Professor		Regular	Yes		No
39	DR, NANMARAN R	XXXXXXXX56K	Ph.D	ANNAMALAI UNIVERSITY	ELECTRONICS AND INSTRUMENTATION	02/08/2023	0.11	Associate Professor	Associate Professor		Regular	No	25/07/2024	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 Department1
Table No.C2.1: Student-faculty ratio.

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1.B	61	62	120
UG1.C	62	120	121
UG1.D	120	121	122
UG1: Electronics & Communication Engineering	243	303	363
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	279	339	399
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= 279	S2= 339	S3= 399
DF=Total no. of faculty members in the Department	18	23	29
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= 18	F2= 23	F3= 29
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= 15.50	SFR2= 14.74	SFR3= 13.76
Average SFR for 3 years	SFR= 14.67		

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 x [(10X + 4Y) / RF]
2024-25(CAY)	3	15	15.00	15.00

2023-24(CAYm1)	4	19	18.00	16.11
2022-23(CAYm2)	4	25	21.00	16.67

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
2024-25	2.00	3.00	4.00	0.00	11.00	15.00
2023-24	2.00	2.00	4.00	2.00	13.00	19.00
2022-23	2.00	2.00	5.00	2.00	14.00	25.00
Average	RF1=2.00	AF1=2.33	RF2=4.33	AF2=1.33	RF2=12.67	AF2=19.67

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.V. Gopi	Director	SKMT Electronics Pvt. Ltd., Tirupattur.	Modern VLSI Design	56.00
2	Mr. Krishna & Team	Technical Trainer	Anudip Foundation, Nungambakkam	Anudip Foundation, Nungambakkam	72.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr.B. Ezhilavan	CEO	VEI Technologies	IOT System Design And Development	56.00
2	Ms. Sowndarya & Team	Technical Trainer	Anudip Foundation, Nungambakkam	Softskill Training	72.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr.B. Ezhilavan	CEO	VEI Technologies	IOT System Design And Development	56.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)
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1	No. of peer reviewed journal papers published	8	5	6
2	No. of peer reviewed conference papers published	13	11	10
3	No. of books/book chapters published	5	3	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.R.Anandan	B.Nigileeswari	ECE	PIR sensor Based Protection System	VKT ginning Mills	1 YEAR	2.30
Dr.S.D.Govardhan	Dr.R.Anandan	ECE	High-Power Microwave Device and Circuit Modelling	Orbit Edutech (P) LTD.	2 YEARS	3.29
						Amount received (Rs.):5.59

(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.V.Janakiraman	Dr.V.Devarajan	ECE	Embedded Development Tool	Orbit Edutech (P) LTD.	1 YEAR	6.50
						Amount received (Rs.):6.50

(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.B.Revathi@Ponmozhi	Dr.V.Devarajan	ECE	R&D lab Construction For ofdm	Cosmo Gems (P) LTD	1.5 YEARS	2.80
Dr.B.Revathi@Ponmozhi	Mr.R.Anandan	ECE	Modernization Of Communication Lab	Modrobs	2 YEARS	13.85
Mr.R.Anandan	Mrs.S.Saranya	ECE	Remote Patient Monitoring System For Post Covid-19 Treatment	Realtime Technosoft	2 YEARS	2.20
						Amount received (Rs.):18.85

Total Amount (Lacs) Received for the Past 3 Years: 30.94**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
Mrs.Meenakshi	Ms.B.Sudha	ECE	Automatic motor control for drip irrigation in a large scal	ORBIT Control	1 YEAR	2.30
Dr.S.D.Govardhan	Mrs.B.Nigileeswari	ECE	Remote water level monitorin	SKMT Electronics	I YEAR	2.80
						Amount received (Rs.):5.10

(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.V.Janakiraman	Dr.V.Devarajan	ECE	Service Aware 6G intelligent network for Vehicular Ad- Hoc Network	Cosmogems	1 YEAR	3.50
Dr.V.Janakiraman	Mr.R.Anandan	ECE	Target tracking for border surveillance system	Netland	I YEAR	2.00
						Amount received (Rs.):5.50

(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.B.Revathi@Ponmozhi	Dr.V.Devarajan	ECE	Application of face recognition in surveillance System for COVID-19 free environment	Dhanalakshmi Srinivasan Medical College & Hospital	1 YEAR	2.20
Ms.P.Revathi	Mrs.S.Meenakshi	ECE	Remote Patient Monitoring System for Post COVID-19	MINT Hospital	1 YEAR	2.30
						Amount received (Rs.):4.50

Total amount (Lacs) received for the past 3 years: 15.10**Note*:**

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

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

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

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr.R.ANANDAN	Design of Energy Efficient IoT Node for Smart Homes	1 YEAR	1.50	1.46	1 publication, 1 M.E project completed
			Amount received (Rs.): 1.50		

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.B.REVATHI@ PONMOZHI	Signal Processing Techniques for Biomedical Applications	1.5 YEARS	2.50	2.35	1 prototype, 1 conference paper, guided 1 M.E. studen
			Amount received (Rs.): 2.50		

(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.B.REVATHI@ PONMOZH	Low Power VLSI Architecture for Edge Devices	1 YEAR	3.00	2.85	1 journal publication, 1 Ph.D. scholar supported
			Amount received (Rs.): 3.00		

Total amount (Lacs) received for the past 3 years : 7.00

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	INTEGRATED CIRCUITS LAB	30	CRO (0-30)MHZ FUNCTION GENERATOR(3MHZ) DUAL REGULATED POWER SUPPLY(0-30)V IC TESTER IC TRAINER KIT 8086 DEVELOPMENT KIT	80%	Ms.K L MUTHAMIZH	TECHNICAL ASSISTANT	BE (ECE)
2	ENGINEERING PRACTICES LAB	30	CRO (0-30)MHZ FUNCTION GENERATOR(3MHZ) DUAL REGULATED POWER SUPPLY(0-30)V	85%	Mr.CHANDRASEKARAN	TECHNICAL ASSISTANT	DIPLOMA (ECE)
3	COMMUNICATION SYSTEMS LAB	30	CRO/DSO (Min 30MHz) STANDALONE DESKTOPS PC SIGNAL SAMPLING TRAINER KIT TDM KIT AM KIT DDM KIT FM KIT TDM KIT DDM KIT TRAINER KIT	75%	Mr.V NARESH KUMAR	TECHNICAL ASSISTANT	BE (ECE)

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Integrated Circuits Laboratory	☐ Ensure proper grounding of equipment. ☐ Use anti-static wrist straps when handling ICs. ☐ Turn off power supply before connecting/removing ICs. ☐ Avoid touching IC pins with bare hands. ☐ Keep liquids away from equipment. Proper ventilation to avoid overheating.

2	Communication Systems Laboratory	☐ Handle RF and microwave equipment carefully. ☐ Use shielded cables to avoid electromagnetic interference. ☐ Do not overload signal generators or amplifiers ☐ Ensure cables are properly connected to avoid short circuits ☐ Use ear protection when testing audio systems ☐ Maintain proper grounding and insulation
3	Engineering Practices Laboratory	☐ Isolated working terminals ☐ Follow correct procedures for soldering ☐ Use protective gear for electrical work ☐ Ensure first aid kit and fire extinguisher are readily available

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
2022-23(CAYm2)	780	39	35	3	73
2023-24(CAYm1)	960	48	54	3	91
2024-25(CAY)	1350	68	42	5	51

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 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	Budgeted in 2021-22	Actual Expenses in 2021-22 till
Infrastructure Built-Up	60000000	59378338	33500000	33211397	9600000	9551940	26700000	26520998
Library	3280000	3251137	3000000	2931050	835000	834710	750000	755064
Laboratory equipment	13300000	13182500	15300000	15250775	640000	638903	580000	575035
Teaching and non-teaching staff salary	180000000	172341900	150000000	149167442	123000000	121503205	120000000	111025698
Outreach Programs	300000	277881	100000	88824	150000	130828	150000	137859
R&D	500000	486213	270000	266473	2250000	2244902	350000	351150

Training, Placement and Industry linkage	400000	386542	1050000	1033218	30000	27500	240000	235408
SDGs	600000	618674	500000	481300	500000	436441	350000	337559
ED	165000	162348	200000	182332	90000	83423	40000	41542
University	9000000	8741160	8000000	7684078	5000000	4800353	2100000	2055490
Total	267545000	258826693	211920000	210296889	142095000	140252205	151260000	142035803

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 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	Budgeted in 2021-22	Actual Expenses in 2021-22 till
Laboratory equipment	220000	210661	120000	114253	200000	195448	100000	98148
Software	0	0	0	0	0	0	0	0
SDGs	20000	18198	18000	15180	15000	12724	10000	9432
Support for faculty development	100000	98000	80000	78000	100000	95756	100000	97000
R & D	50000	48000	150000	138500	100000	98000	70000	68000
Industrial Training, Industry expert, Internship	85000	83000	70000	68000	60000	55000	20000	20000
Miscellaneous Expenses*	10000	9600	8000	7800	9000	8500	9000	8800
Total	485000	467459	446000	421733	484000	465428	309000	301380