

NATIONAL BOARD OF ACCREDITATION

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

PART-A: Profile of the Institute

Name of the Program Applied for: B.E. – Electronics and Communication Engineering

A1: Name of the Institute: -

Panimalar Engineering College

Year of Establishment : 2000

Location of the Institute:

13⁰⁰5' N Latitude, 80⁰⁰7'E Longitude

A2: Institute Address: -

City : Chennai

State : Tamil Nadu

Pin Code : 600123

Website : www.panimalar.ac.in

E-mail : info@panimalar.ac.in

Phone No : 044-26490404
(with STD Code)

A3: Name and Address of the Affiliating University (If any): -

Name of the University : Anna University

City : Chennai

State : Tamil Nadu

Pin Code: 600025

A4: Type of the Institution: - (Tick the applicable choice)

Institute of National Importance

☐

Deemed University

☐

University

☐

Autonomous

☒

Non-Autonomous (Affiliated)

☐

Any other (Please specify) *

☐

***Provide Details:** _____

A5: Ownership Status: - (Tick the applicable choice)

Central Government

☐

State Government

☐

Government Aided

☐

Self-financing

☒

Any Other (Please specify) *

☐

***Provide Details:** _____

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

❖ No. of UG programs: 07

❖ No. of PG programs: 03

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

S.N.	Level of program (UG/PG)	Name of the program	Year of Start	Year of close*	Name of the Department
1.	UG	B.E.(Computer Science and Engineering)	2000	-	Computer Science and Engineering
2.	PG	M.E.(Computer Science and Engineering)	2016	-	Computer Science and Engineering
3.	UG	B.E.(Electronics and Communication Engineering)	2000	-	Electronics and Communication Engineering
4.	PG	M.E.(Communication Systems)	2016	-	Electronics and Communication Engineering
5.	UG	B.Tech (Information Technology)	2000	-	Information Technology
6.	UG	B.E.(Electrical and Electronics Engineering)	2001	-	Electrical and Electronics Engineering
7.	UG	B.E.(Mechanical Engineering)	2002	-	Mechanical Engineering
8.	UG	B.Tech.(Artificial Intelligence and Data Science)	2020	-	Artificial Intelligence and Data Science
9.	UG	B.Tech.(Computer Science and Business Systems)	2020	2025	Computer Science and Business Systems
10.	UG	B.Tech.(Artificial Intelligence and Machine Learning)	2022	-	Artificial Intelligence and Machine Learning
11.	PG	Master of Business Administration	2002	-	Master of Business Administration

A7: Programs to be considered for Accreditation vide this Application:

Table No. A7.1: List of programs to be considered for accreditation.

Cluster ID.	Name of the Department	Name of the Program
1	Computer Science and Engineering	B.E.(Computer Science and Engineering)
2	Information Technology	B.Tech (Information Technology)
3	Electronics and Communication Engineering	B.E.(Electronics and Communication Engineering)
4	Electrical and Electronics Engineering	B.E.(Electrical and Electronics Engineering)
5	Mechanical Engineering	B.E.(Mechanical Engineering)

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)
1	Computer Science and Engineering	B.Tech (Information Technology)
1	Computer Science and Engineering	B.Tech.(Artificial Intelligence and Data Science)
1	Computer Science and Engineering	B.Tech.(Computer Science and Business Systems)
1	Computer Science and Engineering	B.Tech.(Artificial Intelligence and Machine Learning)
2	Information Technology	B.E.(Computer Science and Engineering)
2	Information Technology	B.Tech.(Artificial Intelligence and Data Science)
2	Information Technology	B.Tech.(Computer Science and Business Systems)
2	Information Technology	B.Tech.(Artificial Intelligence and Machine Learning)
3	Electronics and Communication Engineering	Nil
4	Electrical and Electronics Engineering	Nil
5	Mechanical Engineering	Nil

PART-B: Program information

(Data to be filled in for the program applied for Accreditation)

B1: Provide the Required Information for the Program Applied for: - B.E. Electronics and Communication Engineering**Table No. B1:** Program details

S. N.	Program Name	Year of start	Sanctioned Intake	Increase/decrease in intake, if any	Year of increase / decrease	AICTE/ Approval details	Accreditation Status*	No. of times program accredited
1	B.E. (Electronics and Communication Engineering)	2000	60	90	2001	730-52-339(E)/ET/99 (22.06.01)	Granted Provisional Accreditation for 3 years up to 30.06.2025 Vide NBA Letter No: 33-74/2010-NBA 22.06.2022	5 times accredited
				120	2002	730-52-339(E)/ET/99 (08.08.02)		
				180	2011	Southern/1-414107101/2011/EOA(05.09.11)		
				240	2012	Southern/1-688486801/2012/EOA(10.05.12)		
				300	2014	Southern/1-2017278600/2014/EOA(04.06.14)		
				480	2022	Southern / 1-10974806311/2022/EOA (08.07.22)		

B2: Detail of Head of the Department for the program under consideration:**A. Name of the HoD : Dr.S.Rajakumar****B. Nature of appointment: (Tick the applicable choice)**

- ❖ Regular ☒
- ❖ Contract ☐
- ❖ Ad hoc ☐

C. Qualification: (Tick the applicable choice)

- ❖ Ph.D. ☒
- ❖ ME/M.Tech ☐
- ❖ Any other* ☐

***Please provide details: _____**

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

Item (Information is to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	CAY (2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)	CAYm4 (LYG) (2020-21)	CAYm5 (LYGm1) (2019-20)	CAYm6 (LYGm2) (2018-19)
N= Sanctioned intake of the program (as per AICTE /Competent authority)	480	480	480	300	300	300	300
N1= Total no. of students admitted in the 1 st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	480	478	478	295	299	299	299
N2= Number of students admitted in 2 nd year in the same batch via lateral entry including leftover seats	-	4	16	28	22	18	28
N3= Separate division if any	21	24	17	14	0	9	15
N4= Total no. of students admitted in the 1 st year via all supernumerary quotas	-	-	-	-	-	-	-
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	501	506	511	337	321	326	342

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.

Item (Students enrolled in the First Year on average over 3 academic years (CAY, CAYm1, and CAYm2))	CAY 2024-25	CAYm1 2023-24	CAYm2 2022-23
N= Sanctioned intake of the program in the 1 st year (as per AICTE/Competent authority)	480	480	480
N1= Total no. of students admitted in the 1 st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	480	478	478
N4= Total no. of students admitted in the 1 st year via all supernumerary quotas	0	0	0
Enrolment Ratio (ER)= (N1+N4)/N	1	0.99	0.99
Average ER= (ER_1+ ER_2+ ER_3)/3	0.99		

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	LYG 2020-21	LYGm1 2019-20	LYGm2 2018-19
A*= (No. of students admitted in the 1 st year of that batch and those actually admitted in the 2 nd 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).	321	326	342
B=No. of students who graduated from the program in the stipulated course duration	317	313	275
Success Rate (SR)= (B/A)*100	98.75	96.01	80.41
Average SR of three batches ((SR_1+SR_2+ SR_3)/3)	91.72%		

Note *: If the value of A in Table No. B5.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of A in Table No. B5.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No. B3.1.

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
X= (Mean of 1 st 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 1 st year/10)	8.13	8.05	7.95
Y= Total no. of successful students	502	495	309
Z = Total no. of students appeared in the examination	502	495	309
API = X* (Y/Z)	8.13	8.05	7.95
Average API = (API_1 + API_2 + API_3)/3	8.04		

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	CAYm2	CAYm3
X= (Mean of 2 nd 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 2 nd year/10)	8.09	7.99	7.95
Y= Total no. of successful students	510	336	320
Z =Total no. of students appeared in the examination	510	336	320
API = X* (Y/Z)	8.09	7.99	7.95
Average API = (API_1 + API_2 + API_3)/3	8.01		

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	CAYm2	CAYm3
X= (Mean of 3 rd 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 3 rd year/10)	8.05	7.97	7.92
Y= Total no. of successful students	336	320	323
Z= Total no. of students appeared in the examination	336	320	323
API = X* (Y/Z)	8.05	7.97	7.92
Average API = (API_1 + API_2 + API_3)/3	7.98		

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	321	320	330
X= No. of students placed	265	250	256
Y= No. of students admitted to higher studies	8	23	22
Z= No. of students taking up entrepreneurship	2	2	2
X + Y + Z =	275	275	280
Placement Index (P) = (((X + Y + Z)/FS) * 100)	85.67	85.94	84.85
Average placement index = (P_1 + P_2 + P_3)/3	85.49		

Note *: If the value of FS in Table No. B9.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of FS in Table No. B9.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No. B3.1.

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

S.No.	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at the Time Joining in this Institution	Present Designation	The date on which Designate d as Professor/ Associate Professor if any	Nature of association (Regular / Contract / Ad hoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any(Incase Currently Associated is "No")
1	Dr .S. Rajakumar	Ph.D	Sathyabama University	Image processing	23.05.2013	12.1	Professor	Professor	23/05/2013	Regular	-	Y	NO
2	Dr. T. Jayanthi	Ph.D	Sathyabama University	Microwave and Antennas	07.07.2025	0.1	Professor	Professor	07.07.2025	Regular	-	Y	NO
3	Dr.M.P.Chitra	Ph.D	Sathyabama University	Wireless Communication and Networks	11.07.2022	3	senior lecturer	Professor	11.07.2022	Regular	-	Y	NO
4	Dr.C. Esakkiappan	Ph.D	Anna University	Process Control	24.04.2013	12.2	Professor	Professor	24.04.2013	Regular	-	Y	NO
5	Dr. A. Ameelia Roseline	Ph.D	Anna University	Microwave and Antennas	12.12.2005	19.6	Lecturer	Professor	01.11.2012	Regular	-	Y	NO
6	Dr.B.Bhuvaneswari	Ph.D	Anna University	RF and Antennas	01.12.2011	13.6	Associate Professor	Professor	03.06.2013	Regular	-	Y	NO
7	Dr. S. Deepa	Ph.D	Sathyabama University	Image processing	26.05.2010	15.1	senior lecturer	Professor	02.06.2014	Regular	-	Y	NO
8	Dr. D. Selvaraj	Ph.D	Sathyabama University	Medical Image Processing	01.06.2005	20.1	Lecturer	Professor	14.08.2015	Regular	-	Y	NO
9	Dr. S. Maheswari	Ph.D	Sathyabama University	Microwave Engineering	26.05.2010	15.1	senior lecturer	Professor	01.02.2016	Regular	-	Y	NO
10	Dr .S. Leones Sherwin Vimalraj	Ph.D	Dr. M.G.R Educational and Research Institute University	Wireless Communication	01.06.2005	20.1	Lecturer	Professor	14.08.2015	Regular	-	Y	NO
11	Dr.R.Manikandan	Ph.D	Tamil Nadu Physical Education and Sports University	Video Image Processing	01.06.2006	19.1	Lecturer	Professor	05.01.2015	Regular	-	Y	NO
12	Dr. S. Uma Maheswari	Ph.D	Tamil Nadu Physical Education and Sports University	Digital Image Processing	03.06.2002	23.1	Lecturer	Professor	01.06.2015	Regular	-	Y	NO
13	Dr. D. Kalaiyarasi	Ph.D	Sathyabama Institute of Science and Technology	Digital Signal Processing	01.06.2005	20.1	Lecturer	Professor	01.06.2021	Regular	-	Y	NO
14	Dr. G. Elumalai	Ph.D	Tamil Nadu Physical Education and Sports University	Wireless Sensor Networks	09.06.2008	17.1	Lecturer	Professor	01.06.2021	Regular	-	Y	NO

S.No.	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at the Time Joining in this Institution	Present Designation	The date on which Designate d as Professor/ Associate Professor if any	Nature of association (Regular / Contract / Ad hoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any(Incase Currently Associated is"NO")
15	Dr. J. Jeneetha Jebanazer	Ph.D	Dr. MGR Educational and Research Institute	VLSI	01.06.2009	16.1	Lecturer	Professor	01.06.2021	Regular	-	Y	NO
16	Dr.M.PremKumar	Ph.D	Anna University	Wireless Communication	11.07.2022	3	Associate Professor	Professor	11.07.2022	Regular	-	Y	NO
17	Dr. S.Sathiya Priya	Ph.D	Sathyabama University	Wireless Communication	01.06.2023	2	Associate Professor	Professor	01.06.2023	Regular	-	Y	NO
18	Dr. A.Selvarani	Ph.D	Sathyabama Institute of Science and Technology	Image processing	01.06.2023	2	senior lecturer	Professor	01.06.2023	Regular	-	Y	NO
19	Dr. D. Nithya	Ph.D	Sathyabama Institute of Science and Technology	RF and Microwave Engineering	07.06.2006	19.1	Lecturer	Professor	01.07.2024	Regular	-	Y	NO
20	Dr. S. Shibu	Ph.D	Pondicherry University	Wireless Communication	27.05.2013	12.1	Assistant Professor	Professor	01.07.2024	Regular	-	Y	NO
21	Dr.M.Hariprasath	Ph.D	Annamalai University	Wireless Sensor Networks	11.07.2022	3	Assistant Professor	Professor	01.07.2025	Regular	-	Y	NO
22	Dr. I. Poonguzhali	Ph.D	Anna University	Wireless Communication	01.06.2023	2	Assistant Professor	Professor	01.07.2025	Regular	-	Y	NO
23	Dr.R. Suganthi	Ph.D	Sathyabama Institute of Science and Technology	MANET	01.06.2023	2	Associate Professor	Professor	01.07.2025	Regular	-	Y	NO
24	Dr.V.Aruna.	Ph.D	Anna University	RF and Microwave Engineering	07.03.2022	3.4	Associate Professor	Associate Professor	07.03.2022	Regular	-	Y	NO
25	Dr.A.Dhanalakshmi	Ph.D	Sathyabama Institute of Science and Technology	Video Coding and Compression in Wireless Communication	01.12.2008	16.6	Lecturer	Associate Professor	01.07.2011	Regular	-	Y	NO
26	Dr. C. Ramesh Kumar	Ph.D	Sathyabama Institute of Science and Technology	VLSI Signal Processing	01.06.2005	20.1	Lecturer	Associate Professor	02.06.2014	Regular	-	Y	NO
27	Dr. R. Rajalakshmi	Ph.D	Dr. MGR Educational and Research Institute	VLSI Signal processing	15.06.2009	16.7	Lecturer	Associate Professor	01.06.2015	Regular	-	Y	NO
28	Dr. V. JeyaRamya	Ph.D	Sathyabama Institute of Science and Technology	Deep Learning	01.06.2023	2	Associate Professor	Associate Professor	01.06.2023	Regular	-	Y	NO
29	Dr. N. Nithya	Ph.D	Tamil Nadu physical education and sports university	Embedded systems and machine learning	25.05.2012	13.1	Assistant Professor	Associate Professor	01.06.2015	Regular	-	Y	NO

S.No.	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at the Time Joining in this Institution	Present Designation	The date on which Designate d as Professor/ Associate Professor if any	Nature of association (Regular / Contract / Ad hoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any(Incase Currently Associated is"NO")
30	Dr. D.Arul Kumar	Ph.D	Sathyabama Institute of Science and Technology	Medical Electronics	01.06.2023	2	Lecturer	Associate Professor	01.06.2023	Regular	-	Y	NO
31	Dr.L.Ashok Kumar	Ph.D	Sathyabama Institute of Science and Technology	Image processing	01.06.2023	2	Associate Professor	Associate Professor	01.06.2023	Regular	-	Y	NO
32	Dr.J.Navarajan	Ph.D	Sathyabama Institute of Science and Technology	Antennas and Microwave	11.07.2022	3	Associate Professor	Associate Professor	11.07.2022	Regular	-	Y	NO
33	Dr.T.Suguna.	Ph.D	Dr. MGR Educational and Research Institute	Low Power VLSI Design	07.03.2022	3.40	Assistant Professor	Associate Professor	02.12.2024	Regular	-	Y	NO
34	Dr.Sheeba Santhosh	Ph.D	Sathyabama Institute of Science and Technology	Signal Processing	16.08.2022	2.11	Assistant Professor	Associate Professor	02.12.2024	Regular	-	Y	NO
35	Dr. M. Saraswathi	M.E.,	Sathyabama University	Applied Electronics	04.06.2007	18.1	Lecturer	Associate Professor	01.06.2015	Regular	-	Y	NO
36	Mrs. D. Padmapriya	M.E.,	Sathyabama University	Applied Electronics	23.05.2007	18.2	Senior lecturer	Associate Professor	01.06.2011	Regular	-	Y	NO
37	Mr. N. Chidambaram	M.Tech .,	Sathyabama University	VLSI Design	12.06.2006	19.1	Lecturer	Associate Professor	02.06.2014	Regular	-	Y	NO
38	Mrs. N. Pritha	M.E.,	Sathyabama University	Applied Electronics	04.06.2014	11.1	Assistant Professor	Associate Professor	02.06.2017	Regular	-	Y	NO
39	Mr.V.Vasudhevan	M.E.,	Sathyabama University	Electronics and Control	01.06.2007	18.1	Lecturer	Associate Professor	01.07.2019	Regular	-	Y	NO
40	Mrs.R.Prathipa	M.E.	Anna University	Medical Electronics	01.06.2023	2	Associate Professor	Associate Professor	01.06.2023	Regular	-	Y	NO
41	Mrs. B. Sathyabhama	M.E.,	Anna University	VLSI Design	27.05.2013	12.1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
42	Mrs.N.Arun priya	M.E.,	Anna University	Applied Electronics	27.05.2013	12.1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
43	Mrs. G. Srividhya	M.Tech .,	Bharath University	VLSI Design	09.12.2013	11.6	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
44	Mr.R. Ashok	M.E.,	Sathyabama University	Applied Electronics	01.06.2018	7.1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
45	Ms.S.Meha Soman	M.E.,	Anna University	Applied Electronics	03.06.2015	10.1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
46	Mrs. F. Anne Jenefer	M.E.,	Anna University	Communication Systems	01.08.2013	11.11	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
47	Mr.M.D.Manigandan	M.E	Anna University	Communication Systems	12.07.2018	7	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
48	Ms.R.Monisha	M.E.,	Anna University	Communication Systems	01.07.2019	6	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
49	Ms.M.Messiah Josephine	M.E.,	Anna University	Communication Systems	21.10.2020	4.8	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO

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50	Mr.G.Venkatesh	M.E.,	Anna University	Medical Electronics	01.06.2009	16.1	Lecturer	Assistant Professor	-	Regular	-	Y	NO
51	Mrs.M.Sandhiya	M.E.,	Anna University	Communication Systems	04.04.2022	3.3	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
52	Mr.K.Sivakumar	M.E.,	Anna University	Communication Systems	10.08.2022	2.11	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
53	Mrs.D.Tamilselvi	M.E	Anna University	VLSI Design	13.06.2018	7	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
54	Mrs.M. Nalini	M.E.,	Anna University	VLSI Design	01.08.2022	2.11	Assistant professor	Assistant Professor	-	Regular	-	Y	NO
55	Mrs.R.Seeba Sri.	M.E.,	Anna university	Communication and Networking	01.08.2022	2.11	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
56	Ms.K.Kavitha	M.E	Anna University	Communication Systems	03.06.2019	6	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
57	Mr.S.Panchamurthi	M.E	Sathyabama University	Applied Electronics	03.06.2013	12.1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
58	Mr.M.Arun	M.E.,	Anna University	Applied Electronics	11.07.2022	3	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
59	Mr.N.Jeyakannan	M. Tech	Sathyabama University	VLSI Design	11.07.2022	3	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
60	Mrs.R.Ranjana	M.E.,	Sathyabama University	Applied Electronics	11.07.2022	3	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
61	Mrs.R.Indira	M.E.,	St. Peter's University	Applied Electronics	11.07.2022	3	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
62	Mrs.N.Revathi	M.E	Sathyabama University	Applied Electronics	11.07.2022	3	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
63	Mrs.J.Jayaseeli Pratheepa	M.E	Anna University	VLSI Design	12.07.2018	7	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
64	Mrs.P.Gayathri Devi	M.E.,	Sathyabama university	Applied Electronics	01.06.2023	2	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
65	Mrs.S.Saranya	M.E.,	Anna University	Communication Systems	01.06.2023	2	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
66	Mrs.K.Rajalakshmi	M.E,	Anna university	wireless technology	16.02.2024	1.5	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
67	Mr.N.Rajesh	M.E,	Sathyabama university	Applied Electronics	01.06.2023	2	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
68	Mr. N. Sudhakaran	M.E.,	Sathyabama university	Applied Electronics	26.06.2024	1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
69	Mr. A. Kumaresan	M.E.,	Anna University	Applied Electronics	26.06.2024	1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
70	Mr. I. Arul Albert	M.E.,	Anna University	Medical Electronics	26.06.2024	1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
71	Mr.D.Badri Narayanan	M.E.	Anna University	Medical Electronics	01.06.2023	2	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
72	Mrs.R.Mary Victoria	M.E.	Sathyabama University	Applied Electronics	01.06.2023	2	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
73	Mr.D.Gurupandi	M.E.	Sathyabama University	Applied Electronics	01.06.2023	2	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO

S.No.	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at the Time Joining in this Institution	Present Designation	The date on which Designate d as Professor/ Associate Professor if any	Nature of association (Regular / Contract / Ad hoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any(Incase Currently Associated is"NO")
74	Mr.K.M.Gopinath	M.E.	Anna University	Applied Electronics	01.06.2023	2	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
75	Mrs.V.Kokila	M.E.	Anna University	Communication Systems	25.11.2024	0.8	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
76	Mrs.T.K.Preetha	M.E.	Anna University	Communication Systems	25.11.2024	0.8	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
77	Mrs.J.Indhumathi	M.E.	Anna University	Communication Systems	25.11.2024	0.8	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
78	Mr.S.Prakash	M.E.	Sathyabama University	Applied Electronics	25.11.2024	0.8	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
79	Mr.P.V.Nandhakumar	M.E.	Sathyabama University	Applied Electronics	25.11.2024	0.8	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
80	Mr.G.Rajesh	M.E.	Anna University	VLSI Design	05.05.2025	0.2	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
81	Mrs.R.Kavya	M.E.	Anna University	Communication Systems	19.05.2025	0.6	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
82	Mr. U. Uma Magesh	M.E.	Anna University	Communication Systems	02.06.2025	0.1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
83	Mrs.Keerthanai Priya A	M.E.	Anna University	Communication Systems	02.06.2025	0.1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
84	Mrs.Pavithra.B	M.E.	Anna University	Communication Systems	09.06.2025	0.1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
85	Mrs. A. Abirami	M.E.	Anna University	Applied Electronics	01.09.2025	0.1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
86	Mrs. M. Shamini	M.E.	Anna University	Communication Systems	01.09.2025	0.1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
87	Mr. AR. Subramaniyan	M.E.	Sathyabama University	Electronics and Control Engineering	01.09.2025	0.1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
88	Mr. K. Anand	M.E.	Sathyabama University	Electronics and Control Engineering	01.09.2025	0.1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
89	Mrs. A. Ooviya	M.E.	Anna University	VLSI Design	01.09.2025	0.1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
90	Mrs.K. Jegathambal	M.E.	Anna University	Applied Electronics	01.09.2025	0.1	Assistant Professor	Assistant Professor	-	Regular	-	Y	NO
91	Mrs.R.Thenmozhi	M.Tech .,	Sathyabama University	VLSI Design	01.06.2011	14	Assistant Professor	Assistant Professor	-	Regular	-	N	30.08.2025
92	Ms.S.Sajini	M.E	Anna University	Communication Systems	01.08.2022	3	Assistant Professor	Assistant Professor	-	Regular	-	N	30.08.2025
93	Ms. M.Kaaviya	M.E	Anna University	Communication Systems	01.08.2022	3	Assistant Professor	Assistant Professor	-	Regular	-	N	30.08.2025
94	Mrs.K.Devi	M.E.	Anna University	Power Electronics Drives	05.05.2025	0.2	Assistant Professor	Assistant Professor	-	Regular	-	N	30.08.2025
95	Mrs.M.Jeyachitra	M.E	Anna University	Applied Electronics	03/06/2011	10.7	Assistant Professor	Assistant Professor	-	Regular	-	N	30.06.2025
96	Dr. M.Priyadharshini	Ph.D	Vellore Institute of Technology	Image processing	01.08.2022	1.9	Assistant Professor	Assistant Professor	-	Regular	-	N	31.05.2024

S.No.	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at the 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)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (Incase Currently Associated is "No")
97	Dr.B.Gomatheeswari	Ph.D	SRM Institute of Technology	Embedded systems	01.08.2022	1.9	Assistant Professor	Assistant Professor	-	Regular	-	N	31.05.2024
98	Mrs.J. Brindha	M.E.,	Vinayaga Mission University	Applied Electronics	12.06.2015	14	Assistant Professor	Associate Professor	01.06.2018	Regular	-	N	29.06.2024
99	Dr.S.R.Balaji	Ph.D	Sathyabama Institute of Science and Technology	Image Processing	26.05.2010	14.5	Assistant Professor	Asso.Professor	01.06.2016	Regular	-	N	29.10.2024
100	Dr. P Kannan	Ph.D	Tamil Nadu Physical Education and Sports University	Image processing	01.06.2002	20.9	Sr. Lecturer	Professor	02.05.2006	Regular	-	N	27.03.2023
101	Mrs.K.Jeeva	M.E.	Anna University	Communication Systems	12.07.2018	4.11	Assistant Professor	Assistant Professor	-	Regular	-	N	05.06.2023
102	Ms. Jayasruthi J	M.E.	Anna University	Communication Systems	17.02.2020	3.4	Assistant Professor	Assistant Professor	-	Regular	-	N	21.06.2023
103	Mrs. Preethika M	M.E.	Anna University	Communication Systems	17.02.2020	3.4	Assistant Professor	Assistant Professor	-	Regular	-	N	26.06.2023
104	Mrs. Prathibha M	M.E.	Sathyabama University	Applied Electronics	17.02.2020	3.4	Assistant Professor	Assistant Professor	-	Regular	-	N	24.06.2023
105	Ms.Mercy Sheeba J	M.E.	Anna University	Communication Systems	21.10.2020	2.7	Assistant Professor	Assistant Professor	-	Regular	-	N	31.05.2023
106	Ms.Priyanka S	M.E.	Anna University	Communication Systems	21.10.2020	2.8	Assistant Professor	Assistant Professor	-	Regular	-	N	10.07.2023
107	Ms. A Premi	M.E	Anna University	Communication Systems	04.04.2022	1.1	Assistant Professor	Assistant Professor	-	Regular	-	N	31.05.2023
108	Mr. R. Ganesamoorthy	M.Tech .,	Sathyabama University	VLSI Design	12.06.2015	8.6	Assistant Professor	Associate Professor	03.02.2020	Regular	-	N	14.12.2023
109	Mr. U. Vasudevan	M.E	Sathyabama University	VLSI Design	04/06/2012	9.11	Assistant Professor	Assistant Professor	-	Regular	-	N	24/05/2022
110	Mrs.S.L.Bharathi	M.E	Anna University	Applied Electronics	27/05/2013	9	Assistant Professor	Assistant Professor	-	Regular	-	N	31/05/2022
111	Mr.M .Jaiganesh	M.E	Anna University	Computer and Communication	26/05/2014	8	Assistant Professor	Assistant Professor	-	Regular	-	N	01/06/2022
112	Mr.J.Gajapathi	M.E	Anna University	VLSI Design	17/06/2015	6.11	Assistant Professor	Assistant Professor	-	Regular	-	N	27/05/2022
113	Mrs.V.Subashree	M.E	Anna University	Applied Electronics	17/06/2015	6.11	Assistant Professor	Assistant Professor	-	Regular	-	N	31/05/2022
114	Mr.T.Murugavel	M.E	Anna University	Mobile and Pervasive Computing	19/06/2017	4.11	Assistant Professor	Assistant Professor	-	Regular	-	N	27/05/2022
115	Ms.R.Pushpavani	M.E	Anna University	Communication Systems	18/01/2019	3.4	Assistant Professor	Assistant Professor	-	Regular	-	N	25/05/2022
116	Mrs.R.Deepa	M.E	Anna University	Power Electronics and Drives	01/07/2019	2.1	Assistant Professor	Assistant Professor	-	Regular	-	N	27/05/2022
117	Mr. M. Rajasekar	M.E	Anna University	Applied Electronics	06/06/2019	2.11	Assistant Professor	Assistant Professor	-	Regular	-	N	31/05/2022

S.No.	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at the Time Joining in this Institution	Present Designation	The date on which Designate d as Professor/ Associate Professor if any	Nature of association (Regular / Contract / Ad hoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any(Incase Currently Associated is "No")
118	Mrs.P.Jamuna	M.E	Sathyabama University	Applied Electronics	17/02/2020	2.3	Assistant Professor	Assistant Professor	-	Regular	-	N	03/06/2022
119	Mrs.R.Rohini	M.E	Anna University	Power Electronics and Drives	17/02/2020	2.3	Assistant Professor	Assistant Professor	-	Regular	-	N	31/05/2022
120	Mrs.K.Subathra	M.E	Sathyabama University	Applied Electronics	17/02/2020	2.3	Assistant Professor	Assistant Professor	-	Regular	-	N	31/05/2022
121	Ms.B.Nivetha	M.E	Anna University	Communication Systems	21/10/2020	1.7	Assistant Professor	Assistant Professor	-	Regular	-	N	03/06/2022

C2: Student-Faculty Ratio (SFR)

- ❖ No. of UG(Engineering) programs in Department including allied departments/ clusters (UG_n):
 - UG₁=1st UG program
 - UG_n=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 (PG_m):
 - PG₁=1st PG program.
 - PG_m=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)).

Table No.C2.1: Student-Faculty Ratio.

Year	CAY (2024 – 2025)	CAYm1 (2023 – 2024)	CAYm2 (2022-2023)
UG ₁ . B // 2 nd year students of UG ₁ program	484	496	328
UG ₁ . C // 3 rd year students of UG ₁ program	496	328	322
UG ₁ . D // 4 th year students of UG ₁ program	328	322	318
UG ₁ // Total no. of students(2 nd , 3 rd , 4 th) in UG ₁ program	1308	1146	968
...			
UG _n . B // 2 nd year students of UG _n program	-	-	-
UG _n . C // 3 rd year students of UG _n program	-	-	-
UG _n . D // 4 th year students of UG _n program	-	-	-
UG _n // Total no. of students(2 nd , 3 rd , 4 th) in UG _n program	-	-	-
PG ₁ . A // 1 st year students of PG ₁ program	18	18	18
PG ₁ . B // 2 nd year students of PG ₁ program	18	18	30
PG ₁ // Total no. of students(1 st , 2 nd) in PG ₁ program	36	36	48
.....			
PG _m . A // 1 st year students of PG _m program	-	-	-
PG _m . B // 2 nd year students of PG _m program	-	-	-
PG _m // Total no. of students(1 st , 2 nd) in PG _m program	-	-	-
DS=Total no. of students in all UG and PG programs in the Department	1344	1182	1016
AS=Total no. of students of all UG and PG programs in allied departments	-	-	-
S=Total no. of students in the Department (DS) and allied departments (AS)	-	-	-
DF=Total no. of faculty members in the Department	82	77	74
AF= Total no. of faculty members in the allied Departments	-	-	-
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	82	77	74

FF=The faculty members in F who have a 100% teaching load in the first-year courses	7	9	6
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= S1/(F1-FF1) = 1344 / 75 = 17.92	SFR2=S2/(F2-FF2) = 1182 / 68 = 17.38	SFR3=S3/(F3-FF3) = 1016 / 68 = 14.94
Average SFR for 3 years	Average SFR=(SFR1+SFR2+SFR3)/3 = (17.92 + 17.38 + 14.94) / 3 = 16.75		

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	FQI= $2.5 * [(10X + 4Y)/RF]$
CAY (2024 – 2025)	33	42	67	18.58
CAYm1 (2023 – 2024)	33	35	59	19.92
CAYm2 (2022-2023)	24	44	51	20.39

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 Faculty(RF1)	Available Faculty(AF1)	Required Faculty(RF2)	Available Faculty(AF2)	Required Faculty(RF3)	Available Faculty(AF3)
CAY (2024 – 2025)	7	19	15	12	45	46
CAYm1 (2023–2024)	7	17	13	12	39	48
CAYm2 (2022-2023)	6	15	11	6	34	53
Average Numbers	RF1= 6.67	AF1= 17	RF2= 13	AF2= 10	RF3= 39.33	AF3= 49

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.

S.N.	Name of the Person	Designation & Organization	Name of the Course	No. of hours handled
CAYm1 (2023-2024)				
1	Mr.Sathis.M	TRAINER, Crystal Clear Technology And Innovation.	EC8791 - Embedded and Real Time Systems	15
2	Mr.Vigneshprabhu.T	PROJECT TRAINER, ABE Semiconductor Design Pvt. Ltd.	21EC1503 - Microcontrollers And Computer Architecture	10
3	Mr.K.Saran	PROJECT MANAGER, Retech Solutions Pvt. Ltd.	21EC1502 - Digital Signal Processing	10
4	Mr.P.Suresh	ASSISTANT MANAGER, Exotic Power Solutions Pvt. Ltd.	21EC1303 - Digital Electronics	16
5	Mr.Karthi.R	DIRECTOR, New Technology.	21EC1302 - Electronics Circuits	16
6	Mr.Vigneshprabhu.T	PROJECT TRAINER, ABE Semiconductor Design Pvt. Ltd.	21EC1601 - Wireless Communications	10
7	Mr.K.Saran	PROJECT MANAGER, Retech Solutions Pvt. Ltd.	21EC1604 - Data Communication Networks	10
8	Mr.P.Suresh	ASSISTANT MANAGER, Exotic Power Solutions Pvt. Ltd.	21EC1404 - Analog Integrated Circuits	16
9	Mr.Karthi.R	DIRECTOR, New Technology.	21EC1401 - Artificial intelligence and Machine Learning	16
10	Mr.Sathis.M	TRAINER, Crystal Clear Technology And Innovation.	23EC1201 - Electron Devices	16
Total no. of hours:				135
CAYm2 (2022-2023)				
1	Mr.Jithin.J	PCB TRAINER, Exotic Power Solutions Pvt. Ltd.	EC8791 - Embedded and Real Time Systems	20
2	Mr.Venkat.M	EMBEDDED TRAINER, ABE	EC8553 – Discrete Time Signal Processing	15

		Semiconductor Design Pvt. Ltd.		
3	Mr.Vasantha Kumar.M	IoT TRAINER, Crystal Clear Technology And Innovation.	21EC1303 - Digital Electronics	10
4	Mr.A.Sajith	TRAINER, New Technology.	21EC1302 - Electronic Circuits	10
5	Mr.A.Sajith	TRAINER, New Technology.	EC8652 - Wireless Communications	10
6	Mr.Vasantha Kumar.M	IoT TRAINER, Crystal Clear Technology And Innovation.	21EC1402 - Control System Engineering	10
7	Mr.Jithin.J	PCBTRAINER, Exotic Power Solutions Pvt. Ltd.	21EC1401 - Artificial intelligence and Machine Learning	15
8	Mr.Venkat.M	EMBEDDED TRAINER, ABE Semiconductor Design Pvt. Ltd.	21EC1202 - Electron Devices	16
Total no. of hours:				106

CAYm3 (2021-2022)				
1	Mr.Jithin.J	PCB Trainer, Exotic Power Solutions Pvt. Ltd.	EC8701 Antennas and Microwave Engineering	20
2	Mr.Venkat.M	Embedded Trainer, ABE Semiconductor Design Pvt. Ltd	EC8791 Embedded and Real Time Systems	15
3	Mr.M.Sathis	IoT Trainer, Thick India Pvt. Ltd.	EC8351 Electronic Circuits I	15
4	Mr.M.Sathis	IoT Trainer, Thick India Pvt. Ltd.	EC8452 - Electronic Circuits II	20
5	Mr.Jithin.J	PCB Trainer, Exotic Power Solutions Pvt. Ltd.	EC8453 Linear Integrated Circuits	15
6	Mr.Venkat.M	Embedded Trainer, ABE Semiconductor Design Pvt. Ltd	EC8691 Microprocessors and Microcontrollers	15
Total no. of hours:				100

C8: Consultancy Work**Table No. C8.1:** List of consultancy projects received from external agencies.

S.N.	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)
CAYm1 (2023-2024)							
1	Dr.S.Maheswari	-	ECE	Investigation on dielectric resonator antenna	C Systems Pvt. Ltd., Madha Nagar Main Road, Moulivakkam, Chennai-125	8 months	0.51
2	Dr.D.Selvaraj	-	ECE	Hospital Management Software Development	Panimalar Medical College Poonamallee, Chennai-600123	7 months	0.505
3	Dr.B.Bhuvaneshwari	Dr.V.Aruna	ECE	DRA using graphene for High speed communication	Qmax Systems India Pvt. Ltd, 795, Trunk Road, Poonamallee, Chennai, Tamil Nadu 600056, Ph.098402 30903	5 months	0.55
4	Dr.T.Suguna	Dr.Sheeba Santhosh	ECE	IoT Power UPS maintenance system for Health Care Facilities	SPJ Embedded Technologies Pvt. Ltd.,Sr. No.124/12 A, MulikBaug, 2 nd Floor, Opp. Swapnapurthi Hall, Off. Paud Road, Near MIT college, Kothrud, Pune-411038	8 months	0.54
5	Dr. M.Premkumar	Dr.J.Navarajan	ECE	Baseband level Terahertz Wireless Systems Data Transmission and Reception	Chase Research & Development Solutions No. 17A, Plot No.13, Vasupuja Apartments, Block C, II-Main Road, J.B. Estate, Avadi, Chennai, Tamilnadu - 641015.	6 months	0.52
6	Dr.I.Poonkuzhali	Mrs.R.Prathipaa	ECE	A compact monopole antenna for UWB applications with enhanced bandwidth	Chase Research &Development Solutions. No. 17A, Plot No.13 Vasupuja Apartment Block C, II-Main Road, J.B. Estate, Avadi, Chennai, Tamilnadu - 641015.	6 months	0.53
7	Dr.R. Rajalakshmi	Dr. L. Ashok Kumar	ECE	Machine Learning-Based UWB Antenna	Retech Solutions Pvt.Ltd. No:31, Alagesan Street, West Tambaram, Chennai - 45	6 months	0.48

8	Dr. S.Maheswari	Mrs.N.Pritha	ECE	Design of wideband BALUN	Crystal clear Technology and Innovation 305-5, Extension Street, Gandhipuram, Coimbatore, Tamilnadu - 641012.	6 months	0.50
9	Dr. M.P.Chitra	Dr.R.Suganthi	ECE	IoT- Based Smart Communication for Industry 4.0	Pantech - E Learning, #26, Kotta Srinivasiah Charities Building Thanjavur Road, Behind canara bank, Near Duraisamy Subway, T. Nagar, Chennai - 17.	8 months	0.65
10	Dr.S.RajaKumar	Dr.M.PremKumar	ECE	OFDM for increasing wireless capacity and efficiency	Thick India, 340, Mangala International campus, Nehru street, Ram Nagar, Coimbatore, Tamil Nadu 641009.	7 months	0.62
11	Dr. A. Ameelia Roseline	Mrs. D. Padmapriya	ECE	S band antenna for wireless	ABE Semiconductor Designs Level 5 , North	8 months	0.65
12	Dr.S.Deepa	Mr. N. Chidambara m	ECE	Wearable Health monitoring system	Anshumam Tech. Pvt. Ltd, Plot No.13, Stahairya Society, Near Tol Hospital, Karve Nagar, Pune 411052	4 months	0.55
13	Dr.R.Manikandan	Mrs. G. Srividhya	ECE	Development of High precision SMPS	Pantech - E Learning, #26, Kotta Srinivasiah Charities Building Thanjavur Road, Behind canara bank, Near Duraisamy Subway, T. Nagar, Chennai - 17.	6 months	0.52
14	Dr.G.Elumalai	Mr.R. Ashok	ECE	Smart Tracking and Monitoring wearable Device	Crystal clear Technology and Innovation 305-5, Extension Street, Gandhipuram, Coimbatore, 641012.	8 months	0.67
15	Dr. J. Jeneetha Jebanazer	Mrs. N. Pritha	ECE	Design and Development of Ultra wide band Printed Antenna	Qmax Systems India Pvt. Ltd, 795, Trunk Road, Poonamallee, Chennai, Tamil Nadu 600056, Ph.098402 30903	7 months	0.55
16	Dr.L.Ashok Kumar	Dr. V. JeyaRamya	ECE	Antenna measurements	Exotic Power Solution Pvt. Ltd, 5 th sector,	8 months	0.62

					KK nagar, Chennai.		
17	Dr.J.Navarajan	Dr. A.Selvarani	ECE	SBAN for Athletes	Anshumam Tech. Pvt. Ltd, Plot No.13, Stahairya Society, Near Tol Hospital, Karve Nagar, Pune 411052	6 months	0.58
Amount received (Rs.)							9.545
CAYm2 (2022-2023)							
1	Dr.B.Bhuvaneswari	Ms.R.Monish a	ECE	Electric Vehicle Controller Unit	Qmax Systems India Pvt. Ltd, 795, Trunk Road, Poonamallee, Chennai, Tamil Nadu 600056.	13 months	0.52
2	Dr.G.Elumalai	-	ECE	Design of S band antenna for Bluetooth application	Qmax Systems India Pvt. Ltd, 795, Trunk Road, Poonamallee, Chennai, Tamil Nadu 600056.	13 months	0.51
3	Dr. S. Leones Sherwin Vimalraj	Mr. R.Ashok	ECE	Intelligent Vehicle Tracking System with Cloud Based Geo- Position Monitoring System	New Technology 613,Singanallur Main Bus Stand, Kamarajar Road, Singanallur, Coimbatore, Tamilnadu - 641015	8 months	0.54
4	Dr. S.Deepa	Mrs. B.Sathyabha ma	ECE	Smart members counter for Godown and mess hall	Pantech - E Learning, #26, Kotta Srinivasiah Charities Building Thanjavur Road, Behind canara bank, Near Duraisamy Subway, T.Nagar, Chennai - 17.	6 months	0.52
5	Dr. J.Jeneetha Jebanezar	Dr. C.Ramesh kumar	ECE	Design and development of UPS 5KVA	Exotic Power Solution Pvt.Ltd, 5 th sector, KK Nagar, Chennai.	8 months	0.60
6	Dr.A.Ameelia Roseline	Mrs.D.Padma priya	ECE	A Low- Profile Monopole Antenna with Improved Bandwidth for UWB communication	SPJ Embedded Technologies Pvt.Ltd. Sr.No.12 /12a, Mulik Baug, 2 nd Floor, Opp. Swapna Puri Hall, Off. Paud Road, Near Mit College, Kothrud, Pune- 411038	6 months	0.52
7	Dr.D.Kalaiyarasi	Mrs.F.Anne Jenefer	ECE	Face Recognition and Authentication for IoT Applicati ons	C Systems Embedded Technology Pvt. Ltd., Adithya Building, Plot No.14, Door no.9/147, Madha Nagar Main Road, Moulivakkam, Chennai-125	9 months	0.65

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CAYm3 (2021-2022)							
1	Dr.S.Uma Maheswari	-	ECE	Multilayer PCB for controller design	Thick India, 340, Mangala International campus, Nehru street, Ram Nagar, Coimbatore, Tamil Nadu 641009.	12 months	0.23
2	Dr.D.Kalaiyarasi	Dr.T.Suguna	ECE	FPGA based Real time health care monitoring system	ABE Semiconductor Designs 16/70, Sundarbans complex, First Avenue, Saravana Bhavan, Ashok Nagar, Chennai 600083.	6 months	0.39
3	Dr.B.Bhuvaneswari	Ms.R.Monish a	ECE	L&C Analysis in PCB board for Impedance matching networks	C Systems Embedded Technology Pvt. Ltd., Adithya Building, Plot No.14, Door no.9/147, Madha Nagar Main Road, Moulivakkam, Chennai-125	8 months	0.54
4	Dr.G.Elumalai	Mr.N.Chidambaram	ECE	Intelligent tracking and monitoring wearable device for WBAN	Crystal clear Technology and Innovation 305-5, Extension Street, Gandhipuram, Coimbatore, Tamilnadu – 641012.	8 months	0.51
5	Dr. S.Maheswari	Mrs. G. Srividhya	ECE	Detection of Breast Cancer tissues in Mammogram Images using Deep Learning	Panimalar Medical College Poonamallee, Chennai-600123	6 months	0.60
6	Dr. S.Shibu	Mr.C.Rames h Kumar	ECE	IOT Industry Protection System	Pantech - E Learning, #26, Kotta Srinivasiah Charities Building, Thanjavur Road, Behind canara bank, Near Duraisamy Subway, T. Nagar, Chennai – 17.	7 months	0.54
Amount received (Rs.)							2.81
Total amount (Lacs) received for the past 3 years							20.425

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.

S.N.	Faculty name	Project title/ Support for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the project
CAYm1 (2023-2024)						
1	Dr. Hariprasath Manoharan	Autonomous Cleaning Drones	2 Years	1.65	1.65	• Improved Cleaning Speed and Coverage. • Consistency in Cleaning Quality. • Reduce Workplace Hazards. • Emergency Response Capabilities.
2	Dr. M. Prem Kumar	Painting Drones	2 Years	2.00	2.00	• Efficient automated painting • Reduced labor costs • Consistent paint quality • Faster project completion • Minimal paint wastage
Amount received (Rs.)					Rs.3.65 Lacs	
		CAYm2(2022-2023)				
1	Mr. M. Arun	Navigation Robot	2 Years	2.00	2.00	• Task- Specific Navigation & Efficiency • Precise Localization & Mapping • Autonomous Path Planning & Obstacle Avoidance
2	Dr J. Navarajan	Emotional intelligence robot	2 Years	2.00	2.00	• Enhanced human interaction • Better empathy detection • Improved mental support • Adaptive communication skills • Stress level monitoring
Amount received (Rs.)						Rs.4 Lacs
		CAYm3 (2021-2022)				
				NIL		
Amount received (Rs.)						NIL
Total amount (Lacs) received for the past 3 years						Rs.7.65 Lacs

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

S. No	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the Major Equipment	Weekly utilization status (all the courses for which the lab is utilized)	Technical Manpower support		
					Name of the Technical Staff	Designation	Qualification
1.	Circuits & Simulation Lab / AIC Lab	3	Cathode Ray Oscilloscopes, Function Generators, Regulated Power Supply, Dual Regulated DC Power Supply, Computers	80%	Mr.P.Chenthil Kumar	Lab Instructor	ITI
2.	VLSI Design Lab-I/Embedded Lab-I	2	FPGA Trainer Boards (MXALUX-MB), Spartan III Trainer with TRC &RTC Interface Module(MXS3FK-IM), DSP IN VLSI Trainer Kits, Logic Analyzer, Xilinx 30 User License, Microwind 25 User Licence, Xilinx FPGA Spartan III Trainer, Embedded Trainer Kits with Cortex M3 ARM Processor, A DT-01, (STK-ARM-B), ARM Trainer Kit USB Interface Cable, Zigbee Interface Module, Computes, DLINK DGS 1024D	80%	Mr.K.Krishna	Lab Instructor	DECE
3.	VLSI Design Lab-II/Embedded Lab-II	2	FPGA Trainer Boards (MXALUX-MB), Spartan III Trainer with TRC &RTC Interface Module(MXS3FK-IM), DSP IN VLSI Trainer Kits, Logic Analyzer, Xilinx	80%	Mr.A.Karthik eyan	Lab Instructor	B.E.

			30 User License, Microwind 25 User Licence, Xilinx FPGA Spartan III Trainer, Embedded Trainer Kits with Cortex M3 ARM Processor, A DT-01, (STK-ARM-B), ARM Trainer Kit USB Interface Cable, Zigbee Interface Module, Computes, DLINK DGS 1024D				
4.	Circuits & Devices Lab-I	3	Cathode Ray Oscilloscopes, Function Generators, Regulated Power Supply, Dual Regulated Power Supply, Computers, UPS, Voltmeters, Ammeters, Multimeters, Digital IC Trainer Kits	80%	Mrs.M.Rajeswari	Lab Instructor	DECE
5.	Circuits & Devices Lab-II	3	Cathode Ray Oscilloscopes, Function Generators, Regulated Power Supply, Dual Regulated Power Supply, Computers, UPS, Voltmeters, Ammeters, Multimeters, Digital IC Trainer Kits	80%	Mr.B.Ragul Kumar	Lab Instructor	B.E.
6.	Microprocessor Lab	3	8085 Microprocessor Trainer Kits, 8086 Microprocessor Trainer Kits, 8051 Microcontroller Trainer Kits, Cathode Ray Oscilloscopes, Interface Boards , ADC/DAC Interface, DC Motor Controllers, Keyboard Controllers, Stepper Motor Controllers, Traffic Light Controllers, Computers, UPS	80%	Mr.V.Anand Kumar	Lab Instructor	DECE

7.	Analog & Digital Communication Lab-I	3	Cathode Ray Oscilloscopes, TDM Trainer kits, TDM PCM Transmitter Trainer kits, TDM PCM Receiver Trainer Kits, FM Transmitter /Receiver kits, Digital Storage Oscilloscopes, Computers, UPS	80%	Mr.J.Arokiya doss	Lab Instructor	ITI
8.	Analog & Digital Communication Lab-II	3	Function Generators, Cathode Ray Oscilloscopes, Regulated Power Supplies, Sampling and Reconstruction Trainer Kits, DM/ADM Trainer kits, Line Coding and Decoding Trainer Kits, Digital Multimeters, AM Transceiver Kit, FDM Kits, PLL and Frequency Synthesizer Kits, Digital Storage Oscilloscopes, QPSK Trainer Kits, Computers, UPS	80%	Mr.G.Santhosh	Lab Instructor	DECE
9.	Optical & Microwave Lab-I	3	Klystron Power Supply, Gunn Power Supply, Microwave Test Bench, VSWR Meters, Microwave Power Meter, Multiplexer /Demultiplexer, Optical Power Supply, Optical Power Meters, Fiber Optic Trainer Kit, LD Mounted Source, Scalar Network Analyzer, Mode Observation kit, Cathode Ray Oscilloscopes, Function Pulse Generators, Digital Storage Oscilloscopes, Computers, UPS, FCL Advanced Fiber Optic	80%	Mr.M.Kumar avel	Lab Instructor	ITI

			Communication Trainer Kit, SDR, Vector Network Analyzer				
10.	Optical & Microwave Lab-II	3	Klystron Power Supply, Gunn Power Supply, Microwave Test Bench, VSWR Meters, Microwave Power Meter, Multiplexer /Demultiplexer, Optical Power Supply, Optical Power Meters, Fiber Optic Trainer Kit, LD Mounted Source, Scalar Network Analyzer, Mode Observation kit, Cathode Ray Oscilloscopes, Function Pulse Generators, Digital Storage Oscilloscopes, Computers, UPS, FCL Advanced Fiber Optic Communication Trainer Kit, SDR, Vector Network Analyzer	80%	Mr.C.Elangovan	Lab Instructor	DECE
11.	Computer Networks/Digital Signal Processing Lab	3	DCT-03, Data Communication Trainer kit, LTS-01, Local area network Training system, N-SIM, Network Simulation software 15 user license, C Compiler Software(Multi user license), Parallel port cable for Data communication Trainer kit, Ethernet LAN Trainer, TMS32054X processor kit, MATLAB	80%	Mr.R.Kiranraj	Lab Instructor	DECE
12.	Artificial Intelligence and Machine Learning Lab	1	Computers, Printer	80%	Mr.N.Santhif	Lab Instructor	B.E

13.	Control Systems Engineering Lab	1	Computers, UPS	80%	Mr.A.Karthick Balaji	Lab Instructor	DECE
14.	Communication System Lab	1	Vector Network Analyzer (8 GHz), Antenna positioned with controller, SDR, Antenna design software (EM Cube), Advanced Microstrip Component trainer, MATLAB	100%	Mr. S. Kamalesh	Lab Instructor	DECE
15.	IoT / Digital Signal Processing Lab	2	TMS32054X processor kit, MATLAB	100%	Mr. K.Arunkumar	Lab Instructor	DECE

D2: `Safety Measures in Laboratories

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

S.N.	Name of the Laboratory	Safety measures
1.	Circuits & Simulation Lab / AIC Lab	1. Know the location of Fire Extinguisher and First Aid Box and how to use them in case of an emergency. 2. Always wear Lab coat inside the Laboratory. 3. Never change wiring with circuit plugged into power source. 4. Avoid contacting circuits with wet hands or wet materials. 5. Never work on a circuit while power is applied. 6. Do not connect power to a circuit until the circuit is finished. 7. If burning smell is felt, immediately disconnect the power and examine the circuit to find out what went wrong. 8. After the completion of the experiments switch off the power supply. 9. Do not exceed the voltage rating and avoid loose connections and short circuits.
2.	VLSI Design Lab-I/Embedded Lab-I and VLSI Design Lab-II/ Embedded Lab-II	1. Always wear Lab coat inside the Laboratory. 2. Never handle the VLSI kits or circuit boards with wet skin. 3. Avoid use of loose clothing and hair. 4. Availability of UPS to provide safe shutdown of computer and save data. 5. Know the location of Fire Extinguisher and First Aid Box and how to use them in case of an emergency.
3.	Circuits & Devices Lab-I	1. Always wear Lab coat inside the Laboratory. 2. Do not make circuit changes without turning off the power. 3. Make sure that equipment working on electrical power are grounded properly. 4. Never handle the kits or circuits with wet skin. 5. Avoid use of loose clothing and hair.

		6. Set multi range meters to minimal range before connecting to an unknown source. 7. Never leave an ongoing experiment unattended. 8. Make sure you know where Fire Extinguisher and First Aid Box are located and how to properly use it.
4.	Circuits & Devices Lab -II	1. Always wear Lab coat inside the Laboratory. 2. Do not make circuit changes without turning off the power. 3. Make sure that equipment working on electrical power are grounded properly. 4. Never handle the kits or circuits with wet skin. 5. Avoid use of loose clothing and hair. 6. Set multi range meters to minimal range before connecting to an unknown source. 7. Never leave an ongoing experiment unattended. 8. Make sure you know where Fire Extinguisher and First Aid Box are located and how to properly use it.
5.	Microprocessor Lab	1. Do not turn off the Microcontroller kit without reset. 2. Never handle the Microcontroller kits with wet skin. 3. Always wear Lab coat inside the lab. 4. Avoid use of loose clothing and hair. 5. Never leave an on-going experiment unattended. 6. Handle Microcontroller kit with care to avoid any damage. 7. Make sure you know where Fire Extinguisher and First Aid Box are available. 8. Do not move the equipment around the room except under the supervision of an instructor.
6.	Analog & Digital Communication Lab-I	1. Always wear Lab coat inside the Laboratory. 2. Do not make circuit changes without turning off the power. 3. Make sure that equipment working on electrical power are grounded properly. 4. Never handle the kits or circuits with wet skin. 5. Avoid use of loose clothing and hair. 6. Set multi range meters to minimal range before connecting to an unknown source. 7. Never leave an ongoing experiment unattended. 8. Know the availability of Fire Extinguisher and First Aid Box and how to use them in case of an emergency.
7.	Analog & Digital Communication Lab-II	1. Always wear Lab coat inside the lab. 2. Do not make circuit changes without turning off the power. 3. Make sure that equipment working on electrical power are grounded properly. 4. Never handle the kits or circuits with wet skin. 5. Avoid use of loose clothing and hair. 6. Set multi range meters to minimal range before connecting to an unknown source. 7. Never leave an ongoing experiment unattended. 8. Know the Availability of Fire Extinguisher and First Aid Box and how to use them in case of an emergency.
8.	Optical & Microwave Lab-I and Optical & Microwave Lab-II	1. Know the Equipment: Understand the operation and potential hazards of all equipment before use. Read manuals and safety guidelines provided by manufacturers. 2. Physical Safety: Avoid loose clothing and wear appropriate lab attire.

		3. Lab Environment: • Clear Workspaces: Keep work areas clean, uncluttered and organized to prevent accidents and tripping hazards. • No Eating or Drinking: Food and beverages should not be consumed in the lab to avoid contamination and potential ingestion of hazardous materials. • Restricted Access: Limit access to authorized personnel only. Post warning signs where necessary to indicate potential hazards. 4. Handling Materials: • Material Compatibility: Ensure materials used are compatible with the experimental setup and conditions. 5. Electrical Safety: • Grounding: Ensure all equipment is properly grounded to prevent electrical hazards. • Inspect Cables: Regularly inspect cables and connections for signs of wear or damage. Specific Safety Rules for Optical Lab Optical Alignment: • Secure Mounting: Ensure optical components are securely mounted to prevent them from falling or shifting during alignment. • Beam Paths: Always assume optical paths are active and potentially hazardous. Laser Safety: • Laser Safety: Ensure all users are trained in Laser safety and understand the risks and procedures. Avoid direct eye exposure to laser beams and reflections. Specific Safety Rules for Microwave Labs Microwave Radiation: • Equipment Safety: Ensure microwave sources and equipment are properly shielded to prevent leakage. • Power Levels: Operate microwave sources at the appropriate power levels and frequencies specified for the experiment. Antenna Safety: • Burn Hazards: Antennas and waveguides can become hot during operation. Allow sufficient cooling time before handling. • RF Exposure: Minimize exposure to RF radiation by maintaining safe distances and use shielding. 6. Emergency Procedures: • Emergency Contacts: Know the location of emergency equipment such as Fire Extinguisher. • Evacuation Plan: Be familiar with the lab's evacuation plan and emergency procedures in case of fire or other accidents.
9.	Computer Networks/Digital Signal Processing Lab	1. Availability of UPS to provide safe shutdown of computer and save data. 2. Always wear Lab coat inside the Laboratory. 3. Avoid use of loose clothing and hair. 4. Know the Availability of Fire Extinguisher and First Aid Box and how to use them in case of an emergency.
10.	IoT / Digital Signal Processing Lab	1. Maintain a Log of users accessing the Lab. 2. Always wear Lab coat inside the Laboratory. 3. Ensure monitors are positioned at eye level to prevent

		neck strain. 4. Regularly check cables for any wear and tear. 5. Availability of UPS to provide safe shutdown of computer and save data. 6. Know the Location of Fire Extinguisher and First Aid Box and how to use them in case of an emergency.
11.	Communication System Lab	1. Regularly check cables for any wear and tear. 2. Maintain a Log of users accessing the Lab. 3. Ensure monitors are positioned at eye level to prevent neck strain. 4. Know the Location of Fire Extinguisher and First Aid Box and how to use them in case of an emergency. 5. Availability of UPS to provide safe shutdown of computer and save data. 6. Always wear Lab coat inside the Laboratory.
12.	Artificial Intelligence and Machine Learning Lab	1. Always wear Lab coat inside the Laboratory. 2. Make sure you know where the Fire Extinguisher and First Aid Box are located and how to properly use it. 3. Ensure monitors are positioned at eye level to prevent neck strain. 4. Availability of UPS to provide safe shutdown of computer and save data. 5. Regularly check cables for any wear and tear. 6. Maintain a Log of users accessing the Lab.
13.	Control Systems Engineering Lab	1. Always wear Lab coat inside the Laboratory. 2. Availability of UPS to provide safe shutdown of computer and save data. 3. Regularly check cables for any wear and tear. 4. Ensure monitors are positioned at eye level to prevent neck strain. 5. Maintain a Log of users accessing the Lab. 6. Make sure you know where the Fire Extinguisher and First Aid Box are located and how to properly use it.
14.	Centre of Excellence in Robotics	1. Facility Safety: ● Restricted Access: Limit entry to authorized personnel. ● Safety Signage: Install visible warning signs for hazardous zones like robotic arms, welding robots, or high-voltage areas. ● Emergency Exits and Fire Safety: Make sure you know where Fire Extinguisher is located and how to properly use it. ● Proper Lighting and Ventilation: Maintain well-lit working areas. ● Ensure proper ventilation, particularly in areas with welding or soldering robots. 2. Equipment and Robotics Safety: ● Regular Maintenance: Perform routine maintenance checks on all robotic systems to identify and address wear and tear. ● Emergency Stop Systems: Equip all robots with easily accessible emergency stop buttons or safety switches. ● Robust Installation: Ensure robots are securely installed on stable platforms to prevent tipping or movement during operation.

		● Power Isolation: Provide proper power isolation for each robotic system to prevent accidental startups during maintenance. 3. Personnel Safety: ● Personal Protective Equipment (PPE): Use safety gloves, goggles, helmets, and other necessary PPE, especially in hazardous areas. Mandate steel-toed boots in areas with heavy equipment. ● Safe Distances: Establish minimum safe distances from active robots. Use markers or barriers to define robot working zones. 4. Robotics Operation Safety: ● Pre-Operation Checks: Inspect robots and systems for software or hardware malfunctions before starting operations. Verify the integrity of all sensors and actuators. ● Speed and Payload Limitations: Configure robots to operate within safe speed limits and avoid overloading them. ● Collision Avoidance Systems: Integrate sensors like LIDAR or cameras for collision detection. Use collaborative robots (cobots) with built-in safety features when working near humans. ● Controlled Zones: Create physical barriers or light curtains around industrial robots to prevent unauthorized access during operation. 5. Environmental Safety: ● Noise and Emissions: Monitor noise levels from robotic systems and use soundproofing where it is necessary. Ensure proper exhaust systems for robots that emit fumes during operations like welding. ● Energy Efficiency: Use energy-efficient systems and shut down robots when not in use. 6. Emergency Preparedness: ● First Aid Kits: Place fully stocked First Aid kits at accessible locations for reporting and investigating incidents or near-misses. ● Emergency Stop Training: Train all personnel to quickly locate and activate emergency stop systems. 7. Operational Best Practices ● Manual Override Systems: Ensure robots have manual override capabilities for emergencies. ● Monitor and Audit: Maintain logs for all robotic operations and regularly audit processes for compliance with safety standards. ● Safety Standards Compliance: Follow international standards like ISO 10218-1/2 for industrial robots and ANSI/RIA R15.06 for robotic safety. Comply with local laws and guidelines for robotics.
15.	Centre of Excellence in Drones	1. Facility and Equipment Safety: ● Restricted Access: Only authorized personnel should have access to the facility. ● Designated Zones: Clearly demarcate operational zones, maintenance areas and no-fly zones. ● Secure Storage: Store drones, batteries and sensitive equipment in locked and climate-controlled rooms.

		- Equipment Inspection: Conduct routine checks and maintenance for all drones, controllers and related equipment. - Battery Safety: Store batteries in fireproof containers. Avoid overcharging or discharging batteries. Implement an emergency response plan for lithium-ion battery fires. 2. Personnel Safety: - Personal Protective Equipment (PPE): Mandate the use of safety goggles, gloves and hearing protection in designated areas. 3. Drone Operation Safety: - Pre-Flight Checks: Inspect drones for any mechanical or software issues before every flight. - Safe Operating Conditions: Avoid flying in adverse weather (rain, strong winds or lightning). Ensure proper ventilation in indoor testing areas. - Clearance: Maintain safe distances from personnel, structures and sensitive equipment during flight. - Controlled Takeoff and Landing: Use designated zones with marked clearances for takeoff and landing. - Emergency Procedures: Develop and train on emergency landing and system failure protocols. 4. Environmental and Legal Compliance: - Regulatory Adherence: Follow guidelines set by the Directorate General of Civil Aviation (DGCA) or other local aviation authorities and acquire necessary permissions for test flights. - Privacy Compliance: Avoid capturing images or videos in restricted or private areas without consent. 5. Emergency Response: - First Aid Kits: Keep well-stocked First Aid Kits accessible in multiple locations within the center. - Incident Reporting: Establish a system to report and document any incidents or near-misses. - Evacuation Plan: Prepare a clear evacuation plan and display it prominently in the facility. 6. Operational Best Practices: - Manual Override Systems: Ensure all drones have manual override capabilities to prevent accidents during system failures. - Flight Logging: Maintain logs of all drone operations for accountability and analysis. - Monitor Airspace: Avoid interference with manned aircraft or other drones in the vicinity.
16.	Centre of Excellence in Electronic Service & Manufacturing (Flextronics Lab) / Centre of Excellence for Automotive design (UNO MINDA)	1. Maintain Safety Requirements, Fire Alarm and Medical First Aid Kit. 2. Maintain Tools such as Smoke Absorber, Fire Extinguisher, First Aid Kit to help in case of Fire burn injuries. 3. To have ESD protection with Anti-Static Mat for Working Tables & Floor. 4. ESD Protected Work Station Monitor Mat for Table/Rack/Trolleys/Floor, Lab coat, Wrist Band, Glove and Shoes. 5. Earthing Terminals for Working Tables and Wrist Band.

D3: Project Laboratory/Research Laboratory

Table No. D3.1: List of project laboratory/research laboratory /Centre of Excellence.

S.N.	Name of the Laboratory
1.	Research Park
2.	Centre of Excellence in Robotics
3.	Centre of Excellence in Drones
4.	Centre of Excellence in Electronic Service & Manufacturing (Flextronics)
5.	Centre of Excellence for Automotive Design (UNO MINDA)
6.	Communication System Lab /Project Laboratory
7.	IoT Lab/Project 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))/RF4
CAY 2024-25	3210	161	103	59	58.51
CAYm1 2023-24	2940	147	99	49	60.54
CAYm2 2022-23	2340	117	111	40	82.74

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	Budgeted in 2023-24	Actual Expenses in 2023-24	Budgeted in 2022-23	Actual Expenses in 2022-23	Budgeted in 2021-22	Actual Expenses in 2021-22
Infrastructure Built-Up	1,50,00,000	1,02,32,801	55,00,000	48,47,947	60,00,000	56,00,338	60,00,000	52,45,010
Library	35,00,000	21,78,319	30,00,000	27,83,476	32,00,000	27,15,761	7,15,000	6,50,000
Laboratory equipment	6,00,00,000	3,27,54,265	5,85,00,000	5,68,95,680	5,00,00,000	4,89,24,525	2,10,00,000	1,77,40,593
Teaching and non-teaching staff salary	78,00,00,000	76,07,40,934	60,00,00,000	56,86,46,169	49,00,00,000	44,61,05,952	35,00,00,000	27,22,37,231
Outreach Programs	2,00,000	1,00,000	1,65,000	1,50,000	7,00,000	6,70,000	70,00,000	64,00,000
R&D	35,00,000	31,06,364	20,00,000	18,70,211	15,00,000	13,31,544	13,00,000	12,18,027
Training, Placement and Industry linkage	70,00,000	56,28,329	50,00,000	45,91,000	1,30,00,000	1,18,78,601	25,00,000	21,46,440

Items	Budgeted in 2024-25	Actual expenses in 2024-25	Budgeted in 2023-24	Actual Expenses in 2023-24	Budgeted in 2022-23	Actual Expenses in 2022-23	Budgeted in 2021-22	Actual Expenses in 2021-22
SDGs	2,00,000	1,20,756	1,20,000	99,100	75,000	62,250	55,000	48,500
Entrepreneurship	60,000	44,000	65,000	60,000	35,000	29,550	80,000	78,200
Others*, pl. specify [EB, Telephone &Internet charges,]	58,00,00,000	51,99,34,274	42,00,00,000	39,73,21,552	45,25,00,000	35,74,25,839	15,25,00,000	12,17,52,548
Total Amount	1,44,94,60,000	1,33,48,40,042	1,09,43,50,000	1,03,72,65,135	1,01,70,10,000	87,47,44,360	54,11,50,000	42,75,16,549

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	Budgeted in 2023-24	Actual Expenses in 2023-24	Budgeted in 2022-23	Actual Expenses in 2022-23	Budgeted in 2021-22	Actual Expenses 2021-22
Laboratory equipment	3,00,000	2,91,433	4,00,000	3,07,390	50,00,000	47,10,088	21,00,000	20,22,435
Software	0	0	0	0	0	0	0	0
SDGs	10,000	9,500	10,000	8,400	10,000	7,200	10,000	6,000
Support for faculty development	1,50,000	1,40,000	1,50,000	1,22,500	1,25,000	1,10,500	1,00,000	96,000
R & D	2,00,000	1,65,000	50,000	1,23,000	30,000	19,000	30,000	17,500
Industrial Training, Industry expert, Internship	12,00,000	11,67,300	10,00,000	9,93,500	5,00,000	5,49,500	4,00,000	3,60,000
Miscellaneous expenses *	3,00,000	2,70,000	3,30,000	3,17,113	2,70,000	2,53,350	2,30,000	1,52,365
Total amount	21,60,000	20,43,233	19,40,000	18,71,903	59,35,000	56,49,638	28,70,000	26,54,300