

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

PART-A: Profile of the Institute

Name of the Program Applied for: Electronics and Communication Engineering

A1: Name of the Institute: Thiagarajar College of Engineering

Year of Establishment: 1957

Location of the Institute: Madurai

A2: Institute Address: -

City : Madurai

State :Tamilnadu

Pin Code : 625015

Website:www.tce.edu

E-mail : principal@tce.edu

Phone No (with STD Code):0452 - 2482240

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

Name of the University: Anna University

City : Chennai

A4. Type of the Institution:

Institute of National Importance ☐

Deemed to be University ☐

University ☐

Autonomous ✓

Non-Autonomous (Affiliated) ☐

Any Other (Please specify*) ☐

Provide Details:

The year of grant of autonomous is 1987. The autonomous status is applicable till the academic year 2031-32.

A5. Ownership Status:

Central Government ☐

State Government ☐

Grant-in-Aid ✓

Self-financing Trust ☐

Any Other (Please specify*) ☐

A6. Details of all the Programs being Offered by the Institution:**No. of UG programs : 11****No. of PG programs : 11****Table No. A7:** Details of all the programs being offered by the Institution.

S. No	Level of Program	Program Name	Year of start	Year of Close	Name of the department
1.	UG	Civil Engineering	1957	--	Civil Engineering
2.	UG	Mechanical Engineering	1957	--	Mechanical Engineering
3.	UG	Electrical and Electronics Engineering	1957	--	Electrical and Electronics Engineering
4.	UG	Electronics and Communication Engineering	1978	--	Electronics and Communication Engineering
5.	UG	Computer Science and Engineering	1984	--	Computer Science and Engineering
6.	UG	Information Technology	1999	--	Information Technology
7.	UG	Mechatronics	2014	--	Mechatronics
8.	UG	Computer Science and Business System	2020	--	Computer Science and Business System
9.	UG	Architecture	1995	--	Architecture
10.	UG	. Interior Design	2024	--	Architecture
11.	UG	Computer Science and Engineering (AI & ML)	2024	--	Computer Science and Engineering
12.	PG	Structural Engineering	1972	--	Civil Engineering
13.	PG	Construction Engineering and Management	2022	--	Civil Engineering
14.	PG	Communication Systems	1995	--	Electronics and Communication Engineering
15.	PG	Computer Science and Engineering	2001	--	Computer Science and Engineering
16.	PG	Master of Computer Applications	1985	--	Computer Applications
17.	PG	Urban Planning	2024	--	Architecture

S. No	Level of Program	Program Name	Year of start	Year of Close	Name of the department
18.	PG	Power System Engineering	1972	2024	Electrical and Electronics Engineering
19.	PG	Engineering Design	2022	2023	Mechanical Engineering
20.	PG	Industrial Engineering	1986	2022	Mechanical Engineering
21.	PG	Infrastructure Engineering and Management	2011	2022	Civil Engineering
22.	PG	Environmental Engineering	2007	2023	Civil Engineering

A7. Programs to be Considered for Accreditation vide this Application:

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

S.No	Name of the Department	Name of the Program
1	Civil Engineering	B.E. Civil Engineering
2	Mechanical Engineering	B.E. Mechanical Engineering
3	Electrical and Electronics Engineering	B.E. Electrical and Electronics Engineering
4	Electronics and Communication Engineering	B.E. Electronics and Communication Engineering

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.

S.No	Name of the Department	Name of Allied Departments/Cluster
1	Mechanical Engineering	Mechatronics
2	Electronics and Communication Engineering	Mechatronics

PART B: Program Information

B1. Provide Separate Information for the Program Applied for: -

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/ Competent Authority Approval Details	Accredita tion Status*	No.of times program accredited
1.	B.E. Electronics and Communication Engineering	1978	50	180	2023	F.No. Southern/1-36479607704/2023/EOA/ dated 10-06-2023	Granted Accreditation for 3 Years for the period 2021-22 to 2024-25	4

B2. Detail of Head of the Department for the program under consideration:

A. Name of the HoD : Dr B. MANIMEGALAI

B. Nature of Appointment: (Tick the applicable choice)

- ❖ Regular ☒
- ❖ Contract ☐
- ❖ Add hoc ☐

C. Qualification: (Tick the applicable choice)

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

B3. Program Details

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

Item	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)	180	180	120	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	184	182	118	118	102	111	124
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	21	18	22	38	23	12
N3=Separate division if any	0	0	0	0	0	1	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.	184	203	136	140	140	135	136

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)	180	180	120
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	184	182	118
N4=Total no. of students admitted in the 1 st year via all super numeracy quotas	0	0	0
Enrolment Ratio (ER)=(N1+N4)/N	100 %	100 %	98.33%
Average ER=(ER_1+ER_2+ER_3)/3	100 %		

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

Table No. B5.1: Success rate in the stipulated period of the program

Item	LYG 2023-24	LYGm1 2022-23	LYGm2 2021-22
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).	135	131	135
B=No. of students who graduated from the program in the stipulated course duration	131	130	128
Success Rate (SR)=(B/A)*100	97.04	99.24	94.81
Average SR of three batches ((SR_1+SR_2+SR_3)/3)	97.03%		

B6. Academic Performance of the First-Year Students of the Program

Table No. B6.1: Academic performance of 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)	8.08	8.05	7.97
Y= Total no. of successful students	180	115	113

Z= Total no. of students appeared in the examination	180	115	113
API = $X*(Y/Z)$	8.08	8.05	7.97
Average API =(AP1+AP2+AP3)/3	8.033		

B7. Academic Performance of the Second-Year Students of the Program

Table No. B7.1: Academic performance of second-year students of the program

Academic Performance	CAYm1 2023-24	CAYm2 2022-23	CAYm3 2021-22
X=(Mean of 2 nd year grade point average fall successful students on a 10-pointscale) or (Mean of the percentage of marks of all successful students in 2 rd year/10)	7.81	7.88	8.66
Y=Total no. of successful students	133	135	135
Z=Total no. of students appeared in the examination	133	135	135
API=X*(Y/Z)	7.81	7.88	8.66
Average API =(AP1+AP2+AP3)/3	8.117		

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

Table No. B8.1: Academic performance of third-year students of the program

Academic Performance	CAYm1 2023-24	CAYm2 2022-23	CAYm3 2021-22
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)	7.90	8.55	9.00
Y=Total no. of successful students	135	135	131
Z=Total no. of students appeared in the examination	135	135	131
API=X*(Y/Z)	7.90	8.55	9.00
Average API=(AP1+AP2+AP3)/3	8.483		

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG 2023-24	LYGm1 2022-23	LYGm2 2021-22
FS*=Total no. of final year students	134	131	133
X=No. of students placed	94	124	122
Y=No. of students admitted to higher studies	10	6	3

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Z=No. of students taking up entrepreneurship	0	0	0
X+Y +Z=	104	130	125
Placement Index(P)= (((X+Y+Z)/FS)*100)	77.61	99.23	93.98
Average placement index=(P_1 +P_2 +P_3)/3	90.27		

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

Faculty details (Academic Year: 2024-25)

S.N.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	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)	If contractual mention Full time or Part time	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")	Experience in years in current institute
1.	Dr.S.J.Thiruvengadam	ABUPT0970F	647979505581	Ph.D.	Madurai Kamaraj University	ECE	10.06.1996	Lecturer	Professor	02.09.2011	Regular	NA	Y	NA	28
2.	Dr. S. Rajaram	ABZPR3691N	955094904411	Ph.D.	Madurai Kamaraj University	ECE	03.06.1999	Lecturer	Professor	3.12.2014	Regular	NA	Y	NA	25
3.	Dr. S.Mohamed. Mansoor Roomi	ADGPR9535G	386180320246	Ph.D.	Madurai Kamaraj University	ECE	21.11.1997	Lecturer	Professor	06.08.2017	Regular	NA	Y	NA	27
4.	Dr. B. Manimegalai	AHGPM3060M	905870298022	Ph.D	Anna University	ECE	15.12.1997	Lecturer	Professor & Head	27.08.2015	Regular	NA	Y	NA	27
5.	Dr. R.A. Alagu Raja	AFOPA3807Q	297606431497	Ph.D	Anna University	ECE	18.01.1999	Lecturer	Professor	05.12.2018	Regular	NA	Y	NA	25
6.	Dr. S. Kanthamani	ADUPK9623N	227140475820	Ph.D	Anna University	ECE	12.10.2000	Lecturer	Associate Professor	03.06.2013	Regular	NA	Y	NA	24
7.	Dr. K. Hariharan	ABAPH1247D	100629604055	Ph.D	Anna University	ECE	05.01.2001	Lecturer	Professor	01.03.2022	Regular	NA	Y	NA	23
8.	Dr. M.S.K. Manikandan	AHCPM7443G	835913169068	Ph.D	Anna University	ECE	16.11.2001	Lecturer	Associate Professor	03.06.2013	Regular	NA	Y	NA	23

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9.	Dr.B. Sathya Bama	AIPPB3217K	871336301453	Ph.D	Anna University	ECE	02.01.2003	Lecturer	Professor	01.03.2022	Regular	NA	Y	NA	21
10.	Dr. N.B. Balamurugan	ADMPN0904F	250849633381	Ph.D.	Anna University	ECE	12.07.2004	Lecturer	Professor	01.03.2022	Regular	NA	Y	NA	20
11.	Dr. M. N. Suresh	AKMPM1748H	630614192624	Ph.D.	Anna University	ECE	04.06.2003	Lecturer	Associate Professor	01.03.2022	Regular	NA	Y	NA	21
12.	Dr. K. Rajeswari	AONPK3695J	401814263374	Ph.D.	Anna University	ECE	05.12.2003	Lecturer	Associate Professor	01.03.2022	Regular	NA	Y	NA	21
13.	Dr.V. Vinoth Thyagarajan	AEJPV6580R	728037275434	Ph.D.	Anna University	ECE	13.07.2005	Lecturer	Associate Professor	01.09.2023	Regular	NA	Y	NA	19
14.	Dr. G. Ananthi	AJAPA8050D	346053163845	Ph.D.	Anna University	ECE	06.07.2006	Lecturer	Associate Professor	01.09.2023	Regular	NA	Y	NA	18
15.	Dr.E. Murugavalli	AHBPM7882Q	417926406700	Ph.D.	Anna University	ECE	09.08.2006	Lecturer	Assistant Professor	19.10.2016	Regular	NA	Y	NA	18
16.	Dr. K. Vasudevan	AESPV0264M	505717041929	Ph.D.	Anna University	ECE	18.06.2007	Lecturer	Associate Professor	01.09.2023	Regular	NA	Y	NA	17
17.	Dr. D. Gracia Nirmala Rani	ARWPG1621L	118931425583	Ph.D.	Anna University	ECE	21.09.2007	Lecturer	Associate Professor	01.03.2022	Regular	NA	Y	N	17
18.	Dr. P.G.S. Velmurugan	AGGPV2459J	159088591982	Ph.D.	Anna University	ECE	05.10.2007	Lecturer	Associate Professor	01.03.2022	Regular	NA	Y	NA	17
19.	Dr.V.R. Venkatasubramani	AICPV7034R	242651799682	Ph.D.	Anna University	ECE	03.06.2008	Lecturer	Associate Professor	01.09.2023	Regular	NA	Y	NA	16
20.	Mr. M. Senthilnathan	EOLPS7148J	438495988521	M.E.	MKU	ECE	24.06.2013	Assistant Professor	Assistant Professor	24.06.2013	Regular	NA	Y	NA	16
21.	Dr. N. Ayyanar	BRCPA7418L	256185140657	Ph.D	NITT	ECE	18.08.2021	Assistant Professor	Assistant Professor	18.08.2021	Regular	NA	Y	NA	3 years 2 Months
22.	Dr. G. Prabhakar	CCDPP2816A	213522516994	Ph.D	Anna University, Chennai	ECE	19.08.2021	Assistant Professor	Assistant Professor	19.08.2021	Regular	NA	Y	NA	3 Years 2 Months
23.	Dr. M. Senthilarasi	BGFPS7037H	502514771807	Ph.D	Anna University,	ECE	27.08.2021	Assistant Professor	Assistant Professor	27.08.2021	Regular	NA	Y	NA	3 Years 2 months
24.	Dr. J. Shanthi	CPKPS2209B	930218236300	Ph.D	Anna University	ECE	10.08.2022	Assistant Professor	Assistant Professor	10.08.2022	Regular	NA	Y	NA	2.2
25.	Mrs. K. Iyshwarya Ratthi	BYOPR7584P	853303170328	M.E.	Anna University	ECE	24.06.2024	Assistant Professor	Assistant Professor	24.06.2024	Regular	NA	Y	NA	3 Months
26.	Dr. G.Krishnaveni	BJWPK6467M	164926524471	Ph.D.	Anna University	ECE	04.07.2024	Assistant Professor	Assistant Professor	04.07.2024	Regular	NA	Y	NA	3 Months

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Academic Year	Number of Professor	Number of Associate Professor	Number of Assistant Professor	Total Number of Faculty
2024 – 25	08	10	08	26

Faculty details (Academic Year: 2023-24)

S.N.	Name of the Faculty	PAN No.	APAAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	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)	If contractual mention Full time or Part time	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")	Experience in years in current institute
1.	Dr.S.J.Thiruvengadam	ABUPT0970F	647979505581	Ph.D.	Madurai Kamaraj University	EC E	10.06.1996	Lecturer	Professor	02.09.2011	Regular	NA	Y	NA	27
2.	Dr. S. Rajaram	ABZPR3691N	955094904411	Ph.D.	Madurai Kamaraj University	EC E	03.06.1999	Lecturer	Professor	3.12.2014	Regular	NA	Y	NA	24
3.	Dr. S.Mohamed Mansoor Roomi	ADGPR9535G	386180320246	Ph.D.	Madurai Kamaraj University	EC E	21.11.1997	Lecturer	Professor	06.08.2017	Regular	NA	Y	NA	26
4.	Dr.B. Manimegalai	AHGPM3060M	905870298022	Ph.D	Anna University	EC E	15.12.1997	Lecturer	Professor & Head	27.08.2015	Regular	NA	Y	NA	26
5.	Dr. R.A. Alagu Raja	AFOPA3807Q	297606431497	Ph.D	Anna University	EC E	18.01.1999	Lecturer	Professor	05.12.2018	Regular	NA	Y	NA	24
6.	Dr. S. Kanthamani	ADUPK9623N	227140475820	Ph.D	Anna University	EC E	12.10.2000	Lecturer	Associate Professor	03.06.2013	Regular	NA	Y	NA	23
7.	Dr. K. Hariharan	ABAPH1247D	100629604055	Ph.D	Anna University	EC E	05.01.2001	Lecturer	Professor	01.03.2022	Regular	NA	Y	NA	22
8.	Dr. M.S.K. Manikandan	AHCPM7443G	835913169068	Ph.D	Anna University	EC E	16.11.2001	Lecturer	Associate Professor	03.06.2013	Regular	NA	Y	NA	22
9.	Dr. B. Yogameena	AIPPB3216J	417986368912	Ph.D.	Anna University	EC E	04.12.2002	Lecturer	Professor	01.03.2022	Regular	NA	N		21

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														19.9.2024	
10.	Dr. B. Sathya Bama	AIPPB3217K	871336301453	Ph.D	Anna University	EC E	02.01.2003	Lecturer	Professor	01.03.2022	Regular	NA	Y	NA	20
11.	Dr. N.B. Balamurugan	ADMPN0904F	250849633381	Ph.D.	Anna University	EC E	12.07.2004	Lecturer	Professor	01.03.2022	Regular	NA	Y	NA	19
12.	Dr. M. N. Suresh	AKMPM1748H	630614192624	Ph.D.	Anna University	EC E	04.06.2003	Lecturer	Associate Professor	01.03.2022	Regular	NA	Y	NA	20
13.	Dr.K. Rajeswari	AONPK3695J	401814263374	Ph.D.	Anna University	EC E	05.12.2003	Lecturer	Associate Professor	01.03.2022	Regular	NA	Y	NA	20
14.	Dr.V. Vinoth Thyagarajan	AEJPV6580R	728037275434	Ph.D.	Anna University	EC E	13.07.2005	Lecturer	Associate Professor	01.09.2023	Regular	NA	Y	NA	18
15.	Dr. G. Ananthi	AJAPA8050D	346053163845	Ph.D.	Anna University	EC E	06.07.2006	Lecturer	Associate Professor	01.09.2023	Regular	NA	Y	NA	17
16.	Dr. E. Murugavalli	AHBPM7882Q	417926406700	Ph.D.	Anna University	EC E	09.08.2006	Lecturer	Assistant Professor	19.10.2016	Regular	NA	Y	NA	17
17.	Dr. K. Vasudevan	AESPV0264M	505717041929	Ph.D.	Anna University	EC E	18.06.2007	Lecturer	Associate Professor	01.09.2023	Regular	NA	Y	NA	16
18.	Dr. D. Gracia Nirmala Rani	ARWPG1621L	118931425583	Ph.D.	Anna University	EC E	21.09.2007	Lecturer	Associate Professor	01.03.2022	Regular	NA	Y	N	16
19.	Dr. P.G.S. Velmurugan	AGGPV2459J	159088591982	Ph.D.	Anna University	EC E	05.10.2007	Lecturer	Associate Professor	01.03.2022	Regular	NA	Y	NA	16
20.	Dr.V.R. Venkatasubramani	AICPV7034R	242651799682	Ph.D.	Anna University	EC E	03.06.2008	Lecturer	Associate Professor	01.09.2023	Regular	NA	Y	NA	15
21.	Mr. M. Senthilnathan	EOLPS7148J	438495988521	M.E.	MKU	EC E	24.06.2013	Assistant Professor	Assistant Professor	24.06.2013	Regular	NA	Y	NA	15

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22.	Dr. N. Ayyanar	BRCPA7418L	256185140657	Ph.D	NITT	EC E	18.08.2021	Assistant Professor	Assistant Professor	18.08.2021	Regular	NA	Y	NA	2
23.	Dr. G. Prabhakar	CCDPP2816A	213522516994	Ph.D	Anna University, Chennai	EC E	19.08.2021	Assistant Professor	Assistant Professor	19.08.2021	Regular	NA	Y	NA	2
24.	Dr. M. Senthilarasi	BGFPS7037H	502514771807	Ph.D	Anna University, Chennai	EC E	27.08.2021	Assistant Professor	Assistant Professor	27.08.2021	Regular	NA	Y	NA	2
25.	Dr.J. Shanthi	CPKPS2209B	930218236300	Ph.D	Anna University	EC E	10.08.2022	Assistant Professor	Assistant Professor	10.08.2022	Regular	NA	Y	NA	1

Academic Year	Number of Professor	Number of Associate Professor	Number of Assistant Professor	Total Number of Faculty
2023 – 24	09	10	06	25

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Faculty details (Academic Year: 2022-23)

S.N.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	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)	If contractual mention Full time or Part time	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")	Experience in years in current institute
1.	Dr. S.J.Thiruvengadam	ABUPT0970F	647979505581	Ph.D.	Madurai Kamaraj University	ECE	10.06.1996	Lecturer	Professor	02.09.2011	Regular	NA	Y	NA	26
2.	Dr. S. Rajaram	ABZPR3691N	955094904411	Ph.D.	Madurai Kamaraj University	ECE	03.06.1999	Lecturer	Professor	3.12.2014	Regular	NA	Y	NA	23
3.	Dr. S.Mohamed. Mansoor Roomi	ADGPR9535G	386180320246	Ph.D.	Madurai Kamaraj University	ECE	21.11.1997	Lecturer	Professor	06.08.2017	Regular	NA	Y	NA	25
4.	Dr. B. Manimegalai	AHGPM3060M	905870298022	Ph.D.	Anna University	ECE	15.12.1997	Lecturer	Professor & Head	27.08.2015	Regular	NA	Y	NA	25
5.	Dr. R.A. Alagu Raja	AFOPA3807Q	297606431497	Ph.D.	Anna University	ECE	18.01.1999	Lecturer	Professor	05.12.2018	Regular	NA	Y	NA	23
6.	Dr. S. Kanthamani	ADUPK9623N	227140475820	Ph.D.	Anna University	ECE	12.10.2000	Lecturer	Associate Professor	03.06.2013	Regular	NA	Y	NA	22
7.	Dr. K. Hariharan	ABAPH1247D	100629604055	Ph.D.	Anna University	ECE	05.01.2001	Lecturer	Professor	01.03.2022	Regular	NA	Y	NA	21
8.	Dr. M.S.K. Manikandan	AHCPM7443G	835913169068	Ph.D.	Anna University	ECE	16.11.2001	Lecturer	Associate Professor	03.06.2013	Regular	NA	Y	NA	21
9.	Dr B. Yogameena	AIPPB3216J	417986368912	Ph.D.	Anna University	ECE	04.12.2002	Lecturer	Professor	01.03.2022	Regular	NA	N	19.9.2024	20
10.	Dr B. Sathya Bama	AIPPB3217K	871336301453	Ph.D.	Anna University	ECE	02.01.2003	Lecturer	Professor	01.03.2022	Regular	NA	Y	NA	19

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11.	Dr. N.B. Balamurugan	ADMPN0904F	250849633381	Ph.D.	Anna University	ECE	12.07.2004	Lecturer	Professor	01.03.2022	Regular	NA	Y	NA	18
12.	Dr. M. N. Suresh	AKMPM1748H	630614192624	Ph.D.	Anna University	ECE	04.06.2003	Lecturer	Associate Professor	01.03.2022	Regular	NA	Y	NA	19
13.	Dr. K. Rajeswari	AONPK3695J	401814263374	Ph.D.	Anna University	ECE	05.12.2003	Lecturer	Associate Professor	01.03.2022	Regular	NA	Y	NA	19
14.	Dr.V. Vinoth Thyagarajan	AEJPV6580R	728037275434	Ph.D.	Anna University	ECE	13.07.2005	Lecturer	Assistant Professor	24.08.2011	Regular	NA	Y	NA	17
15.	Dr. G. Ananthi	AJAPA8050D	346053163845	Ph.D.	Anna University	ECE	06.07.2006	Lecturer	Assistant Professor	01.01.2010	Regular	NA	Y	NA	16
16.	Dr.E. Murugavalli	AHBPM7882Q	417926406700	Ph.D.	Anna University	ECE	09.08.2006	Lecturer	Assistant Professor	19.10.2016	Regular	NA	Y	NA	16
17.	Dr. K. Vasudevan	AESPV0264M	505717041929	Ph.D.	Anna University	ECE	18.06.2007	Lecturer	Assistant Professor	24.08.2011	Regular	NA	Y	NA	15
18.	Dr. D. Gracia Nirmala Rani	ARWPG1621L	118931425583	Ph.D.	Anna University	ECE	21.09.2007	Lecturer	Associate Professor	01.03.2022	Regular	NA	Y	N	15
19.	Dr. P.G.S. Velmurugan	AGGPV2459J	159088591982	Ph.D.	Anna University	ECE	05.10.2007	Lecturer	Associate Professor	01.03.2022	Regular	NA	Y	NA	15
20.	Dr.V.R. Venkatasubramani	AICPV7034R	242651799682	Ph.D.	Anna University	ECE	03.06.2008	Lecturer	Assistant Professor	11.08.2011	Regular	NA	Y	NA	14
21.	Mr. M. Senthilnathan	EOLPS7148J	438495988521	M.E.	MKU	ECE	24.06.2013	Assistant Professor	Assistant Professor	24.06.2013	Regular	NA	Y	NA	14
22.	Dr. N. Ayyanar	BRCPA7418L	256185140657	Ph.D	NITT	ECE	18.08.2021	Assistant Professor	Assistant Professor	18.08.2021	Regular	NA	Y	NA	1
23.	Dr. G. Prabhakar	CCDPP2816A	213522516994	Ph.D	Anna University, Chennai	ECE	19.08.2021	Assistant Professor	Assistant Professor	19.08.2021	Regular	NA	Y	NA	1

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24.	Dr. M. Senthilarasi	BGFPS7037H	502514771807	Ph.D	Anna University, Chennai	ECE	27.08.2021	Assistant Professor	Assistant Professor	27.08.2021	Regular	NA	Y	NA	1
25.	Dr. J. Shanthy	CPKPS2209B	930218236300	Ph.D	Anna University	ECE	10.08.2022	Assistant Professor	Assistant Professor	10.08.2022	Regular	NA	Y	NA	2 Months

Academic Year	Number of Professor	Number of Associate Professor	Number of Assistant Professor	Total Number of Faculty
2022 – 23	09	06	10	25

5 Faculty Information: Allied Department – B.E Mechatronics Engineering

Faculty details (Academic Year: 2024-25)

S.N.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	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)	If contractual mention Full time or Part time	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")	Experience in years in current institute
1.	Dr.M. Palaninatharaja	AEUPP2457A	239381664967	PhD	IIT Delhi	Quality Materials and Design	01.08.1997	Assistant Professor	Professor	02.09.2011	Regular	NA	Y	NA	27
2.	Dr.G. Kumaraguruparan	AIKPK6055B	899235766572	PhD	Anna University	Thermal Power Engineering,	15.11.2000	Assistant Professor	Professor	01.03.2022	Regular	NA	Y	NA	24

NATIONAL BOARD OF ACCREDITATION

S.N.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	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)	If contractual mention Full time or Part time	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")	Experience in years in current institute
						Thermal Management of MEMS									
3.	Dr.G. Kanagaraj	AIAPK9616L	825593246452	PhD	Anna University	Engineering Design	14.12.2000	Assistant Professor	Professor	01.03.2022	Regular	NA	Y	NA	24
4.	Dr.S. Julius Fusic	AKAPJ2988G	889614810626	PhD	Anna University	Autonomous system, Power electronics drives	14.07.2014	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	11
5.	Mr.S. Parthasarathi	CRFPP8869N	658561038709	ME	Anna University	Embedded, IoT, AI	23.12.2014	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	10.2
6.	Dr.H. Ramesh	ALBPR9679L	826707657314	PhD	Anna University	Industrial drives Industrial Automation	06.04.2015	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	9
7.	Mr.M.A. Ganesh	BRFPG2696R	846727681797	M.Tech	Vellore Institute of Technology	Mechatronics	22.06.2015	Assistant Professor	Assistant Professor	16.11.2016	Regular	NA	Y	NA	9.8
8.	Mr.S.A.R. SheikMasthan	BLGPS2358D	329453501202	ME	Sathyabama University	Soft computing, Embedded systems	06.06.2016	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	8.5
9.	Mr.M.M. Devarajan	CNCPM4247A	922791562289	ME	Anna University	Electronic cooling	09.09.2015	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	9.5

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10.	Mr.S. Rajkumar	AKOPR2549H	186412924204	ME	Anna University	Industrial Engineering	05.07.2017	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	7
11.	Dr.M. Rajalakshmi	BGIPR2888E	504832896750	PhD	Anna University	Mechatronics	07.07.2023	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	1.8

Academic Year	Number of Professor	Number of Associate Professor	Number of Assistant Professor	Total Number of Faculty
2024 – 25	03	00	08	11

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Faculty details (Academic Year: 2023-24)

S.N.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	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.)	If contractual mention Full time or Part time	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")	Experience in years in current institute
1.	Dr.M. Palaninatharaja	AEUPP2457A	239381664967	PhD	IIT Delhi	Quality Materials and Design	01.08.1997	Assistant Professor	Professor	02.09.2011	Regular	NA	Y	NA	26
2.	Dr.G. Kumaraguruparan	AIKPK6055B	899235766572	PhD	Anna University	Thermal Power Engineering, Thermal Management of MEMS	15.11.2000	Assistant Professor	Professor	01.03.2022	Regular	NA	Y	NA	23
3.	Dr.G. Kanagaraj	AIAPK9616L	825593246452	PhD	Anna University	Engineering Design	14.12.2000	Assistant Professor	Professor	01.03.2022	Regular	NA	Y	NA	23
4.	Dr.S. Julius Fusic	AKAPJ2988G	889614810626	PhD	Anna University	Autonomous system, Power electronics drives	14.07.2014	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	10
5.	Mr.S. Parthasarathi	CRFPP8869N	658561038709	ME	Anna University	Embedded, IoT, AI	23.12.2014	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	9
6.	Dr.H. Ramesh	ALBPR9679L	826707657314	PhD	Anna University	Industrial drives Industrial Automation	06.04.2015	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	8
7.	Mr.M.A. Ganesh	BRFPG2696R	846727681797	M.Tech	Vellore Institute of Technology	Mechatronics	22.06.2015	Assistant Professor	Assistant Professor	16.11.2016	Regular	NA	Y	NA	8

NATIONAL BOARD OF ACCREDITATION

S.N.	Name of the Faculty	PAN No.	APAAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	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)	If contractual mention Full time or Part time	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")	Experience in years in current institute
8.	Mr.S.A.R. SheikMasthan	BLGPS2358D	329453501202	ME	Sathyabama University	Soft computing, Embedded systems	06.06.2016	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	7
9.	Mr.M.M. Devarajan	CNCPM4247A	9222791562289	ME	Anna University	Electronic cooling	09.09.2015	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	8
10.	Mr.S. Rajkumar	AKOPR2549H	186412924204	ME	Anna University	Industrial Engineering	05.07.2017	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	6
11.	Dr.M. Rajalakshmi	BGIPR2888E	504832896750	PhD	Anna University	Mechatronics	07.07.2023	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	0
Academic Year		Number of Professor		Number of Associate Professor		Number of Assistant Professor		Total Number of Faculty							
2023 – 24		03		00		08		11							

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Faculty details (Academic Year: 2022-23)

S.N.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	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)	If contractual mention Full time or Part time	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")	Experience in years in current institute
1.	Dr.M. Palaninatharaja	AEUPP2457A	239381664967	PhD	IIT Delhi	Quality Materials and Design	01.08.1997	Assistant Professor	Professor	02.09.2011	Regular	NA	Y	NA	25
2.	Dr.G. Kumaraguruparan	AIKPK6055B	899235766572	PhD	Anna University	Thermal Power Engineering , Thermal Management of MEMS	15.11.2000	Assistant Professor	Professor	01.03.2022	Regular	NA	Y	NA	22
3.	Dr.G. Kanagaraj	AIAPK9616L	825593246452	PhD	Anna University	Engineering Design	14.12.2000	Assistant Professor	Professor	01.03.2022	Regular	NA	Y	NA	22
4.	Dr.S. Julius Fusic	AKAPJ2988G	889614810626	PhD	Anna University	Autonomous system, Power electronics drives	14.07.2014	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	9
5.	Mr.S. Parthasarathi	CRFPP8869N	658561038709	ME	Anna University	Embedded, IoT, AI	23.12.2014	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	8
6.	Dr.H. Ramesh	ALBPR9679L	826707657314	PhD	Anna University	Industrial drives Industrial Automation	06.04.2015	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	7

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S.N.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	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)	If contractual mention Full time or Part time	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")	Experience in years in current institute
7.	Mr.M.A. Ganesh	BRFPG2696R	846727681797	M.Tech	Vellore Institute of Technology	Mechatronics	22.06.2015	Assistant Professor	Assistant Professor	16.11.2016	Regular	NA	Y	NA	7
8.	Mr.S.A.R. SheikMasthan	BLGPS2358D	329453501202	ME	Sathyabama University	Soft computing, Embedded systems	06.06.2016	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	6
9.	Mr.M.M. Devarajan	CNCPM4247A	922791562289	ME	Anna University	Electronic cooling	09.09.2015	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	7
10.	Mr.S. Rajkumar	AKOPR2549H	186412924204	ME	Anna University	Industrial Engineering	05.07.2017	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA	6

Academic Year	Number of Professor	Number of Associate Professor	Number of Assistant Professor	Total Number of Faculty
2022 – 23	03	00	07	10

C2. Student–Faculty Ratio (SFR)

Table C2.1 Student-Faculty Ratio

Year	CAY (2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG ₁ .B- 2 nd year B.E ECE	198	132	132
UG ₁ .C- 3 rd year B.E ECE	132	132	132
UG ₁ .D- 4 th year B.E ECE	132	132	132
UG₁ (B.E Electronics and Communication Engineering)	462	396	396
UG ₂ .B- 2 nd year B.E MECHATRONICS	66	66	66
UG ₂ .C- 3 rd year B.E MECHATRONICS	66	66	66
UG ₃ .D-4 th year B.E MECHATRONICS	66	66	66
UG₂ (B.E Mechatronics Engineering)	198	198	198
PG ₁ .A – 1 st year M.E ECE	18	18	25
PG ₁ .B - 2 nd year M.E ECE	18	25	25
PG ₁ (ME – ECE- Communication Systems)	36	43	50
DS=Total no. of students in all UG and PG programs in the Department	498	439	446
AS=Total no. of students of all UG and PG programs in allied departments	198	198	198
S=Total no. of students in the Department (DS) and allied departments (AS)	S1=696	S2=637	S3=644
DF=Total No.of faculty members in the Department	26	25	25
AF=Total no.of faculty members in the allied Departments	11	11	10
F=Total no.of faculty members in the Department (DF)and allied Departments(AF)	37	36	35
FF=The faculty members in F who have a 100%teaching load the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1 = 696/37 18.81	SFR2 = 637/36 17.69	SFR3 = 644/35 18.4
Average SFR for 3 years	Average SFR = 18.3		

C3. Faculty Qualification

Table No.C3.1 Faculty qualification

Year	X	Y	RF	FQI= 2.5 * [(10X +4Y)/RF]
CAY (2024-25)	30	7	35	23.43
CAYm1 (2023-24)	30	6	32	25.31

CAYm2 (2022-23)	29	6	32	24.53
Average Assessment				24.4

C4. Faculty Cadre Proportion

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 (2024-25)	4	11	8	10	23	16
CAYm1 (2023-24)	4	12	7	10	21	14
CAYm2 (2022-23)	4	12	7	06	21	17
Average Numbers	RF1=4	AF1=12	RF2=7	AF2= 9	RF3=22	AF3=16

*Qualifications and experience as per AICTE norms.

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 Resource Person	Designation & Organization	Name of the Course	No. of hours handled
2023-24				
1.	Dr.Virendra Singh	Professor/CSE Department, IIT Bombay	18ECRE0 - Algorithms for VLSI Design Automation	16
			Research Paper Discussion	12
			Gurukula study with SIG Faculty	8
			Resource Person for FDP	4
			BE Project Review Meeting	10
Total no. of hours:				50
2022-23				
1.	Dr.Virendra Singh	Professor/CSE Department, IIT	18ECRE0 - Algorithms for VLSI Design Automation	12

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S.N.	Name of the Resource Person	Designation & Organization	Name of the Course	No. of hours handled
		Bombay	Research Paper Discussion	16
			Gurukula study with SIG Faculty	8
			Resource Person for FDP	4
			BE Project Review Meeting	10
Total no. of hours:				50
2021-22				
1.	Dr. Ganesan Thiagarajan	CTO, MMRFIC, Bangalore	18ECRD0-Signal Processing for 5G NR	6
			18ECPD0-Wireless Communication Systems	6
			Preparation of Research Proposal for SERB CORE research Grant	1
2.	Dr. Virendra Singh	Professor/CSE Department, IIT Bombay	18ECRE0 - Algorithms for VLSI Design Automation	8
3.	Dr. A. Madhavaraj	Postdoctoral Researcher, IISC, Bangalore.	18EC1D0- Speech Signal Processing	16
			18EC620-Control Systems	06
			18ECEB0- Fundamentals of Machine Learning	06
			DST project Proposal Discussion and writing	08
			Research: Guiding students in Classification with Audio Visual features for Voice over Artist Selection	12
			Expert in Deep Learning for Image Analysis two-day FDP organized by Image Processing Group. 1. Session: Deep Learning Architecture 2. Discussion on Deep Learning Research with Participants of the FDP.	03
Total no. of hours:				72

C6. Academic Research

Table No. C6.1: Faculty publication details

S.N.	Item	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
1	No. of peer reviewed journal papers published	41	26	38
2	No. of peer reviewed conference papers published	25	25	7
3	No. of books/book chapters published	13	11	19

C7. Sponsored Research Project

Table No. C7.1: List of sponsored research 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	Sanctioned Amount (Lacs)
CAYm1 (2023-24)							
1.	Dr.N.Ayyanar	Dr.G.Prabhakar	ECE	Fabrication of enhanced sensitivity curvature sensor using photonic crystal fiber and behaviour prediction based on auto encoded dense neural network	SERB-SUR	3 Years	24.18
2.	Dr. M. Senthilarasi	-	ECE	Development of Deep Learning Approach for 3D Virtual Reconstruction of Lost Heritage Artefacts Present at Kheezhadi	SERB-TARE	3 Years	18.30

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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	Sanctioned Amount (Lacs)
				Archaeological Excavation Site			
3.	Dr.B.Sathyabama	Dr.S. Mohammed Mansoor Roomi	ECE	Archival, Classification of Madurai's Chithirai Festival Attire Rich Dances and Rituals using Deep Learnt Features and Labanotation Generation for Their Preservation	DST-SHRI	2 Years	Yet to Receive
4.	Dr.S.J.Thiruvengadam	Dr.M.N.Suresh Dr.P.G.S.Velmurugan	ECE	Empirical analysis of speech signals for identification of radio channel signatures in recorded audio	DRDO	10 Months	9.89
Amount received (Rs. in Lacs)							52.37
CAYm3 (2021-22)							
5.	Dr.V.Abhaikumar	Dr.B.Manimegalai Dr.D.Sriramkumar (NIT,Trichy) Dr.K.Hariharan	ECE	Design and Development of a milli-meter wave based Road Condition Detection Radar for Automotive Applications	Ministry of Electronics & Information Technology (MeitY)	2 Years	42.74
6.	Dr.D.Gracia Nirmala Rani	-	ECE	Design and Development of FinFET Bio Sensor for	SERB-TARE	3 Years	18.30

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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	Sanctioned Amount (Lacs)
				Wearable Medical Devices in a Harsh Environment			
Amount received (Rs. in Lacs)							61.04
Total Amount Received for the Past 3 Years (Rs. In Lacs)							113.41

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 (2023-24)							
1.	Dr.K.Hariharan	-	ECE	Design of syllabus and practical hardware course in EV charger	Skill Sonic India Pvt.Ltd, Bangalore	1 month	3.25
2.	Dr.B.Manimegalai	-	ECE	GPS Anti Jamming for Brahmos	TTSL, BrahMos Aerospace	1 year	3.51
3.	Dr.S.Kanthamani	-	ECE	Design and	Amphenol Omni	6-8 months	1.16

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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)
				Development of Frequency Selective Surfaces	Connect, Chennai		
4.	Dr.V.Vinoth Thyagarajan	Dr.K.Rajeswari	ECE	Equipment for physio therapy	Sarvee Pharmacy	10 days	0.06
Amount received (Rs. In Lacs)							7.98
CAYm2 (2022-23)							
1.	Dr.K.Hariharan	-	ECE	Servicing Flow sensor	Ruby Mil Product, Madurai, SIDDCO	10 days	0.21
2.	R.A.Alaguraja	-	ECE	GIS survey in the manufacturing unit	M/s. Hi-TECH ARAI Pvt. Ltd Madurai	10 days	0.47
3.	Dr.B.Manimegalai	-	ECE	RF Test and Measurement	TTSL	1 year	3.60

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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)
4.	Dr.S.J. Thiruvengadam	Dr.M.N. Suresh Dr.P.G.S. Velmurugan	ECE	Exploration of channel emulators for controlled speech signal transmission on radio channels of ASR	DRDO (CAIR-Bangalore)	1.5 years	44.93
Amount received (Rs. In Lacs)							49.21
CAYm3 (2021-22)							
1.	Dr K Hariharan,	-	ECE	Design and Development of Prototype recharging unit for two wheeler	TVS Sensing Solution, Madurai	5 weeks	0.82
2.	R.A.Alaguraja	-	ECE	Identifying water bodies	M/s. Micro Chemicals Co. SIDCO Industrial Estate	10 days	0.30
3.	Dr.B.Manimegalai	-	ECE	RF Test and Measurement	TTSL	1 year	5.05
4.	Dr.K.Hariharan	-	ECE	Development of Embedded program for	M/s.Sepsitron, Pvt Ltd, Singapore	10 days	0.24

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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)
				Camera interface			
5.	Dr.K.Hariharan	-	ECE	Development triggering equipment for Dental operation	CSI college of Dental Science and Research Madurai	10.05.22	0.02
Amount received (Rs. in Lacs)							6.43
Total amount received for the past 3 years (Rs. in Lacs)							63.62

C9. Institution Seed Money / Internal Research Grant

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 (2023-24)						
1.	Dr.K.Rajeswari	For research work	1 year	0.38	0.38	Consultancy work
2.	Dr.E. Murugavalli	For research work	6 months	0.08	0.08	Publication in conference
3.	Dr.J.Shanthi	For research work	6 months	0.06	0.06	Publication in conference
4.	Dr.G.Ananthi	For research work	1 year	0.39	0.39	Publication in journal
5.	Dr.M.S.K. Manikandan	For research work	6 months	0.08	0.08	Publication in conference
6.	Dr.V.Vinoth Thyagarajan	For research work	6 months	0.03	0.03	Student project
7.	Dr.P.G.S. Velmurugan	For research work	6 months	0.05	0.05	Publication in journal
Amount received (Rs. In Lacs)						1.07
CAYm2 (2022-23)						
8.	Dr.P.G.S. Velmurugan	For lab and research work	6 months	0.02	0.02	Publication in Journal
9.	Dr.M.S.K. Manikandan	For lab and research work	6 months	0.04	0.04	Publication in Conference

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S. N.	Faculty name	Project title/ Support for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the project
10.	Dr.G.Prabhakar	For lab and research work	1 year	0.17	0.17	Publication in Conference
11.	Dr.M.Senthilarasi	For lab and research work	1 year	0.10	0.10	Student project
12.	Dr.S.Kanthamani	For lab and research work	6 months	0.09	0.09	Publication in journal
13.	Dr.V.R.Venkatasubramanian	For lab and research work	6 months	0.09	0.09	Publication in conference
14.	Dr.B.Sathyabama	For lab and research work	6 months	0.08	0.08	Publication of patent
15.	Dr.K.Rajeswari	For lab and research work	6 months	0.03	0.03	Publication in conference
16.	Dr.K.Rajeswari	For lab and Characterization of EMG sensors	1 year	1.00	1.00	Initiated consultancy work on EMG data acquisition
17.	B.Manimegalai	Design, simulation of and development of Miniaturized antennas for GPS (Internal Research Grant)	2 years	16	16	Publication in journal
Amount received (Rs in Lacs)						17.62
CAYm3 (2021-22)						

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S. N.	Faculty name	Project title/ Support for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the project
18.	Dr.N.B. Balamurugan	Investigation of FINFET	2 years	0.53	0.53	Research Paper Published
19.	Dr.K.Hariharan	IOT system for monitoring power profile for embedded critical system	1 year	0.49	0.49	Working model of IOT system for monitoring power profile
20.	Dr.M.N.Suresh	Preliminary work for CAIR sponsored projects	1 year	1.42	1.42	Conducted preliminary work for sponsored projects
Amount received (Rs. in Lacs)						2.44
Total Amount Received for the Past 3 Years (Rs. in Lacs)						21.13

PART D: Laboratory Infrastructure in the Department

D1. Adequate and well equipped laboratories, and technical manpower

Table D1.1 List of Laboratories and technical manpower

S. No	Name of the Laboratory	Number of students per setup (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.	Altera VLSI Laboratory	2	- Quartus II Software - Xilinx FPGA Spartan Kits - Cadence EDA tools	12 hours 24EC280 Digital Circuit Design 22EC520 VLSI Circuits and Systems	Mrs.K.Saraladevi	Lab Technician	DECE
2.	RF Communication Lab	2	3GHz Spectrum Analyzer - Band- Source Detector- Planar Antenna Accessories - Klystron- based Trainer kit- X band 8.2 GHz-12.4 GHz - Gunn Diode Bench, Gunn oscillator	14 hours 22EC430 RF Circuit Design 22EC530 Antenna and Wave Propagation	Mr. V.R.K. Srinivasan	Lab Technician	B.E(EEE)

S. N o	Name of the Laboratory	Number of student s per setup (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	Designatio n	Qualificatio n
			• X band microwave bench • Handheld spectrum analyzer. • Network analyzer • ADS(Advanced Design System) Licensed Software • Mobile antenna setup • VSWR meter • Frequency meter • Digital Gunn power supply • Midrange reader with pad antenna • Cathode ray oscilloscope • AM/FM signal generator • S-Band MIC, Transceiver, Transmission line kits				

S. No	Name of the Laboratory	Number of students per setup (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
3.	Electronics System Design Lab	2	- NI ELVIS-I Series Prototyping board - TCAD Sentaurus TOOL - NI ELVIS-II Series Prototyping board - NI digital electronics FPGA Board - NI Elvis Software - LabVIEW Software - Multisim Software - Emona Datex Telecommunication Board - ASLKV2010 starter kit	12 hours 23EC370 Analog Circuit Device Laboratory	Mrs.A. Pushpavalli	Lab Technician	DECE.,M.B. A (System)
4.	Computer Networking Laboratory	1	1700 and 800 series Routers 2950 Catalyst switch - Netsim Simulation Software - WLAN Trainer Kit	32 hours 22EC260 Problem Solving using Computers 22EC270	Mr.S. Amuthapandian	Lab Technician	DME

S. No	Name of the Laboratory	Number of students per setup (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
			• LAN Trainer Kit • Embedded C compiler	Python Programming • 21EC570 Data Communication Networking Laboratory • 23EC460 Data Structures and Algorithms Laboratory • 22ECPT0 Data Structures in C • 23EC360 Object Oriented Programming			
5.	Embedded Systems Laboratory	2	• 8086 Simulator and MIPS32 Simulator • ARM(Advanced RISC Machine) kit • ARM (Advanced RISC Machine) JTAG Kit • PXA 270 processor	12 hours • 23EC470 Microcontroller and Embedded System • 23EC380 Computer architecture		Lab	

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S. N o	Name of the Laboratory	Number of student s per setup (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	Designatio n	Qualificatio n
			• 8051 Trainer Kit • 8051 compilers and Free scale architecture compilers Licensed Software • Jlink Debugger • Segger Empower • Intel ATOM kit • HCS12 Microcontroller • Galileo Board • STM32 CORTEX M4 Kits and Interface kits	Laboratory	Mr.M. Abdul Malick Jailani	Technician	DECE.,BCA

S. No	Name of the Laboratory	Number of students per setup (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
6.	Signal Processing Laboratory	2	- Blackfin Processor (BF533,BF537)kit and their allied software - Davinci DM6446 Development board Bundle - Tiger SHARC Processors(TS201s) and its allied software - ADALM PLUTO - ADALM 1000 - MATLAB Software - Delsys EMG Signal acquisition - NI – USRP 2920, LabVIEW	14 hours 22EC580 Analog and Digital Communication Lab 23EC480 Signal Processing Laboratory 23EC630 Wireless Communication Laboratory	Mr.R. Karthik	Lab Technician	B.Sc (Electronics)
7.	Image Processing Laboratory	2	- MATLAB Simulation Software - Raspberry Pi	4 hours 22EC620-Image Processing Lab	Mr.K.G.Balaji	Lab Technician	B.C.A

D2. Safety Measures in Laboratories (10)

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

S.No.	Name of the Laboratory & Key Equipment	Safety Measures
1.	Electronic System Design Lab	• ESD protection – antistatic mats, wrist straps • Proper insulation & labeling of high-voltage circuits • Posters on handling live circuits • Calibration of signal sources, meters • Safe disposal of faulty ICs & PCBs - General • Fire extinguishers (Electrical type) • MCB/ELCB for circuit protection • First aid kit • Equipment manuals with circuit diagrams • Anti-shock vinyl flooring • Maintenance & calibration logs
2.	RF Communication Lab	• RF radiation safety – shielding, restricted access • Controlled access to high-power microwave sources • Proper grounding of test benches & RF setups • Posters on RF radiation hazards • Calibration of RF instruments • Safe disposal of damaged RF cables, connectors - General • Fire extinguishers (Electrical type + RF awareness) • MCB/ELCB for equipment protection • First aid kit • Equipment manuals with operating limits • Anti-shock vinyl flooring • Maintenance & calibration logs

S.No.	Name of the Laboratory & Key Equipment	Safety Measures
3.	Signal Processing Lab	• ESD protection for processor kits • Safe handling posters for processor boards • Software license management • Proper cooling/spacing for heavy computing systems • Safe disposal of outdated kits General • Fire extinguishers (Electrical type) • MCB/ELCB for equipment protection • First aid kit • Equipment manuals with wiring diagrams • Anti-shock vinyl flooring • Maintenance logs
4.	Image Processing Lab	• Safe handling & cleaning of optical lenses • Light hazard signage for laser/IR sources • Proper light shielding for imaging setups • Disposal of damaged optics/sensors • Equipment calibration & optics cleaning schedule General • Fire extinguishers (Electrical type) • MCB/ELCB for system protection • First aid kit • Equipment manuals with calibration data • Anti-shock vinyl flooring • Maintenance logs
5.	Embedded Systems Lab	• ESD protection – mats, gloves, antistatic bags • Posters on safe wiring & sensor interfacing • Safe power supply handling • Calibration checks for analog sensors

S.No.	Name of the Laboratory & Key Equipment	Safety Measures
		• Disposal of obsolete sensors & boards - General • Fire extinguishers (Electrical type) • MCB/ELCB for circuit protection • First aid kit • Equipment manuals • Maintenance logs
6.	Computer Networking Lab	• Proper cable management – labeling & routing • Posters on safe handling of PoE switches & UPS loads • Cooling for switches & servers • Disposal of outdated devices • UPS battery maintenance log - General • Fire extinguishers (Electrical type) • MCB/ELCB for surge protection • First aid kit • Equipment manuals with network diagrams
7.	Remote Sensing Lab	• Posters on safe handling of large displays • Data backup & redundancy guidelines • Disposal of outdated systems • Maintenance log for periodic system checks - General • Fire extinguishers (Electrical type) • MCB/ELCB for equipment protection • First aid kit • Equipment manuals

D3. Project Laboratory/Research Laboratory/Centre of Excellence**Table No. D3.1:** List of project laboratory/research laboratory/Centre of Excellence.

S. No.	Name of the Laboratory
1.	Center of Excellence in Electronic Product Testing
2a 2b	Research Lab - Remote Sensing Lab Research Lab - MEMS Design center
3.	Project Lab

Part E: First Year Faculty and Financial Resources**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= $((NS1*0.8)+(NS2*0.2))/RF4$
2024-25	1089	54	52	54	$((52 * 0.8) + (54 * 0.2)) / 54 = 97.03$
2023-24	1029	51	46	51	$((46 * 0.8) + (51 * 0.2)) / 51 = 92.15$
2022-23	885	44	35	39	$((35 * 0.8) + (39 * 0.2)) / 44 = 81.36$
Average Percentage					90.18

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 Feb 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	3,75,00,000	3,40,87,015	2,00,00,000	1,99,61,745	1,14,40,000	2,36,41,439	67,20,000	18,11,376
Library	45,12,000	47,49,428	21,70,000	37,28,829	17,00,000	28,08,000	18,82,000	24,31,000
Laboratory Equipment	1,29,00,000	3,02,90,176	95,50,000	3,44,28,169	3,40,00,000	4,52,47,125	2,91,00,000	2,22,75,277
Teaching and Non-Teaching staff Salary	50,00,00,000	45,48,46,927	48,00,00,000	45,30,29,717	42,00,00,000	39,83,83,720	45,00,00,000	44,98,56,429
Outreach Programme	85,00,000	72,88,143	75,00,000	66,34,433	50,00,000	48,26,847	25,00,000	22,97,232
R&D	5,00,00,000	4,53,40,242	5,50,00,000	5,47,69,766	2,35,00,000	1,68,12,466	1,75,00,000	1,67,67,576
Training Placement and Industry linkage	40,00,000	34,40,664	1,00,00,000	98,65,322	45,00,000	43,58,414	30,00,000	29,35,137
SDGs	2,25,00,000	2,03,56,702	1,80,00,000	1,88,00,686	1,35,00,000	1,41,19,133	1,20,00,000	1,17,62,580
Entrepreneurship	15,00,000	10,26,882	25,00,000	25,10,922	22,00,000	13,02,856	5,00,000	3,03,146
Others	4,50,00,000	4,37,25,577	3,50,00,000	3,73,44,337	4,50,00,000	4,84,37,295	2,00,00,000	1,81,36,928
Total Amount	68,64,12,000	645151756	63,97,20,000	64,10,73,926	56,08,40,000	55,99,37,295	54,32,02,000	52,85,76,681

E3: Budget Allocation, Utilization, and Public Accounting at Program Specific Level**Table No.E3.1:** Budget and Actual Expenditure incurred at Programme Level

ITEM	Budgeted in CFY	Actual expenses in CFY (till Feb 2025)	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
Laboratory Equipment	5,00,000	3,55,398	5,00,000	4,80,501	8,00,000	4,99,846	5,00,000	4,98,576
Software	20,00,000	21,22,683	20,00,000	20,87,791	20,00,000	22,51,246	20,00,000	12,58,374
SDGs	25,00,000	26,44,476	20,00,000	23,24,859	20,00,000	16,42,352	15,00,000	14,04,975
Support for faculty development	10,00,000	2,51,804	5,00,000	5,43,470	2,00,000	1,87,058	2,00,000	2,835
R&D	10,00,000	9,65,203	8,00,000	7,11,850	10,00,000	6,21,929	3,00,000	3,23,369
Industrial training, Industry Expert, Internship	20,00,000	13,93,745	12,00,000	20,40,330	10,00,000	10,68,439	10,00,000	6,24,977
Miscellaneous Expenses	50,00,000	56,80,255	50,00,000	46,17,934	50,00,000	56,34,275	20,00,000	21,66,355
TOTAL AMOUNT	1,40,00,000	1,34,13,564	1,20,00,000	1,28,06,735	1,20,00,000	1,19,05,145	75,00,000	62,79,461