NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electronics & Communication Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 2
Application No: 11988	**Date of Submission**: 24-06-2026

PART A- Profile of the Institute

A1.Name of the Institute: MOTHER TERASA COLLEGE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 2009	Location of the Institute: Illuppur Pudukkottai
A2. Institute Address:Mettusalai, Illuppur Post, Pudukkottai district,	
City:Pudukkottai	State:Tamil Nadu
Pin Code:622102	Website:www.mtcet.in
Email:principalmtcet9116@gmail.com	Phone No(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: Non-Autonomous (Affiliated)	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **8**
- No. of PG programs: **5**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Artificial Intelligence and Data Science	2022	--	Artificial Intelligence and Data Science
2	Engineering & Technology	UG	Civil Engineering	2009	--	Civil Engineering
3	Engineering & Technology	PG	Computer Science & Engineering	2013	--	Computer Science and Engineering
4	Engineering & Technology	UG	Computer Science and Business Systems	2022	--	Computer Science and Business System
5	Engineering & Technology	UG	Computer Science and Engineering	2012	--	Computer Science and Engineering
6	Engineering & Technology	UG	Electrical and Electronics Engineering	2009	--	Electrical and Electronics Engineering
7	Engineering & Technology	UG	Electronics & Communication Engineering	2009	--	Electronics and Communication Engineering
8	Engineering & Technology	PG	Manufacturing Engineering	2013	--	Mechanical Engineering

9	Engineering & Technology	UG	Mechanical Engineering	2009	--	Mechanical Engineering
10	Engineering & Technology	PG	Power Systems Engineering	2014	--	Electrical and Electronics Engineering
11	Engineering & Technology	UG	Robotics and Automation	2025	--	Robotics and Automation
12	Engineering & Technology	PG	Structural Engineering	2014	--	Civil Engineering
13	Engineering & Technology	PG	VLSI Design	2012	--	Electronics and Communication Engineering

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Mechanical Engineering	No	Mechanical Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG
Electrical and Electronics Engineering	No	Electrical and Electronics Engineering	UG

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

Cluster ID. Name of the Department (in table no. A7.1) Name of allied Departments/Cluster (for table no. A7.1)

No Record

PART-B: Program information

B1. Provide the Required Information for the Program Applied For:

Table No. B1: Program details.

A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRA DURATIC
1	Electronics & Communication Engineering	UG	2009 / --	60	Yes	2022	30	2022	F.NO.Southern/1-10969216077/2022/EOA	Applying first time	--	--	0	4

Sanctioned Intake for Last Five Years for the Electronics & Communication Engineering	
Academic Year	**Sanctioned Intake**
2025-26	30
2024-25	30
2023-24	30
2022-23	30
2021-22	60
2020-21	60

List of the Allied Departments/Cluster and Programs:

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

A. Name of the HoD :	Dr. C.S.Gayathri
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	30	30	30	30	60	60	60
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	30	26	7	6	5	0	12
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	0	2	1	2	3	1
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	30	26	9	7	7	3	13

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

B4. Enrolment Ratio in the First Year

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

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	30	30	0	100.00
2024-25 (CAYm1)	30	26	0	86.67
2023-24 (CAYm2)	30	7	0	23.33

Average [(ER1 + ER2 + ER3) / 3] = 70.00≡ 14.00

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

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

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	62.00	63.00	61.00
B=No. of students who graduated from the program in the stipulated course duration	1.00	1.00	8.00
Success Rate (SR)= (B/A) * 100	1.61	1.59	13.11

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 5.44

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

Table No.B6.1: Academic Performance of the First-Year Students of the Program.

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
X=(Mean of 1st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10)	7.31	6.98	8.07
Y=Total no. of successful students	26.00	7.00	6.00
Z=Total no. of students appeared in the examination	26.00	7.00	6.00
API [X*(Y/Z)]	7.30	6.98	8.07

Average API[(AP1+AP2+AP3)/3] : 7.45

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	7.00	7.68	6.90
Y=Total no. of successful students	9.00	6.00	3.00
Z=Total no. of students appeared in the examination	9.00	7.00	6.00
API [X * (Y/Z)]	7.00	6.58	3.45

Average API [(AP1 + AP2 + AP3)/3] : 5.68

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

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

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.14	7.72	6.86
Y=Total no. of successful students	5.00	3.00	3.00
Z=Total no. of students appeared in the examination	6.00	3.00	3.00
API [X*(Y/Z)]:	5.95	7.72	6.86

Average API [(AP1 + AP2 + AP3)/3] : 6.84

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	62.00	63.00	61.00
X=No. of students placed	3.00	2.00	10.00
Y=No. of students admitted to higher studies	0.00	0.00	0.00
Z= No. of students taking up entrepreneurship	0.00	1.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	4.84	4.76	18.03

Average Placement Index = (P_1 + P_2 + P_3)/3: 9.21 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

(Data to be filled in for the Department and Allied Departments)

C1. Faculty details of Department and Allied Departments

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

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr. C.S.Gayathri	XXXXXXX93N	Ph.D	ANNA UNIVERSITY	Applied Electronics	02/05/2019	7.1	Assistant Professor	Associate Professor	10/01/2024	Regular	Yes		Yes
2	Mr. C. Manivannan	XXXXXXX70B	M.E.	ANNA UNIVERSITY	Applied Electronics	01/07/2016	9.11	Assistant Professor	Assistant Professor		Regular	Yes		No
3	Mr. K.Renganathan	XXXXXXX75E	M.E.	ANNA UNIVERSITY	Power Electronnics and Drives	02/07/2016	9.11	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Mr. R.Mujipur Rahman	XXXXXXX00B	M.E.	ANNA UNIVERSITY	Embedded Systems	15/12/2018	7.6	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Mrs. R. Koperundevi	XXXXXXX03C	M.E.	ANNA UNIVERSITY	Communication Systems	15/12/2018	7.6	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mrs. M. Banupriya	XXXXXXX66N	M.E.	ANNA UNIVERSITY	Communication Systems	28/11/2022	1.7	Assistant Professor	Assistant Professor		Regular	No	30/06/2024	No
7	Mrs. C.Rani	XXXXXXX31F	M.E.	ANNA UNIVERSITY	VLSI Design	11/01/2023	3.5	Assistant Professor	Assistant Professor		Regular	No	30/05/2024	No
8	Mrs. R. Tamilselvi	XXXXXXX59C	M.E.	ANNA UNIVERSITY	VLSI Design	28/11/2022	3.6	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
9	Mr. Sidhanathan P	XXXXXXX95M	M.E.	ANNA UNIVERSITY	Communication Systems	15/05/2023	3.1	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
10	Mrs. Sathya R	XXXXXXX48H	M.E.	ANNA UNIVERSITY	VLSI Design	02/01/2020	5.4	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
11	Ms. Keerthika S	XXXXXXX94D	M.E.	ANNA UNIVERSITY	VLSI Design	17/04/2024	1.1	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
12	Mrs.Nisha M	XXXXXXX15E	M.E.	ANNA UNIVERSITY	VLSI Design	11/04/2025	1.2	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mrs. Sowmiya.K	XXXXXXX40F	M.E.	ANNA UNIVERSITY	VLSI Design	04/08/2025	0.10	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mrs. Abinaya C	XXXXXXX80F	M.E.	ANNA UNIVERSITY	Applied Electronics	30/04/2025	1.1	Assistant Professor	Assistant Professor		Regular	Yes		No

15	Mrs. D. Kamalasri	XXXXXXX15C	M.E.	ANNA UNIVERSITY	Communication Systems	24/01/2018	8.5	Assistant Professor	Assistant Professor		Regular	No	30/05/2024	No

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

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):
UG1=1st UG program
UGn=nth UG program
B= No. of Students in UG 2nd year (ST)
C= No. of Students in UG 3rd year (ST)
D= No. of Students in UG 4th year (ST)
No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):
PG1=1st PG program.
PGm=mth PG program
A= No. of Students in PG 1st year
B= No. of Students in PG 2nd year
Student Faculty Ratio **(SFR)** = S/F
S= No. of students of all programs in the Department including all students of allied departments/clusters.
No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)
Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.
F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

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

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

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B	30	32	30
UG1.C	32	30	61
UG1.D	30	61	63
UG1: Electronics & Communication Engineering	**92**	**123**	**154**
PG1.A	18	18	18
PG1.B	18	18	18
PG1: VLSI Design	**36**	**36**	**36**
DS=Total no. of students in all UG and PG programs in the Department	128	159	190
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 128	**S2=** 159	**S3=** 190
DF=Total no. of faculty members in the Department	8	9	11
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 8	**F2=** 9	**F3=** 11
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 18.29**	**SFR2= 19.88**	**SFR3= 19.00**
Average SFR for 3 years	**SFR= 19.06**		

C3. Faculty Qualification

- Faculty qualification index (FQI) = 2.5 * [(10X +4Y)/RF] where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = 2.5 x [(10X + 4Y) / RF)]
2025-26(CAY)	1	7	6.00	15.83
2024-25(CAYm1)	1	8	7.00	15.00
2023-24(CAYm2)	1	10	9.00	13.89

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = 1/9 * 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 * 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 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

Table No.C4.1: Faculty cadre proportion details.

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	0.00	1.00	1.00	4.00	7.00
2024-25	1.00	0.00	2.00	1.00	5.00	8.00
2023-24	1.00	0.00	2.00	0.00	6.00	11.00
Average	RF1=1.00	AF1=0.00	RF2=1.67	AF2=0.67	RF2=5.00	AF2=8.67

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Subash Babu B	Embedded Software Developer,	Meck Teck Solution, Pudukkottai	Basics of Embedded and IoT	26.00
2	Mr. Subash Babu B	Embedded Software Developer,	Meck Teck Solution, Pudukkottai	Networking & IoT	26.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Ganesh Prabhu C	Principle Engineer, Architect,	NXP India Pvt Ltd, Bangalore	VLSI Digital Design	26.00
2	Mr. Ganesh Prabhu C	Principle Engineer, Architect,	NXP India Pvt Ltd, Bangalore	Marketing Strategies of various Retail brands	26.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Prithiviraj Bharathi	Technical Lead	Qwicksoft, Chennai	GPS Vehicle Tracking Systems	26.00
2	Mr. Prithiviraj Bharathi	Technical Lead	Qwicksoft, Chennai	Supply chain management (SCM)	26.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	0	1	1
2	No. of peer reviewed conference papers published	1	0	0
3	No. of books/book chapters published	0	0	0

C7. Sponsored Research Project

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

(CAYm1)

(CAYm2)

(CAYm3)

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

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. K. Renganathan	Mr. R.Mujipur Rahman	Electronics and Communication Engineering	Smart Parking	Ananth Cycles, Trichy	4 Months	0.90
						Amount received (Rs.):0.90

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. K. Renganathan	Mr. C. Manivannan	Electronics and Communication Engineering	Jewellery Security	Annai Electricals	5 Months	1.00
						Amount received (Rs.):1.00

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mrs. R. Koperundevi	Mr. K. Renganathan	Electronics and Communication Engineerin	Automated Hand Sanitizer	Sun Fires	5 Months	1.00
						Amount received (Rs.):1.00

Total amount (Lacs) received for the past 3 years: 2.90

Note*:

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

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

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

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr.K.RENGANATHAN	Smart Transport Safety	2 Months	0.08	0.08	Prototype
Mr.K.RENGANATHAN	Design of Hybrid Multiplier for Low cost convoluter Neural Network Accelerators	5 Months	0.10	0.10	Conference Proceedings
			Amount received (Rs.): 0.18		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
MR.C.MANIVANNAN	IOT based Data Logger for Monitoring and Controlling of Vehicle and Tyre heating	3 Months	0.07	0.07	Prototype
Mr. K.Renganathan	The Graph based Algorithms Efficiently Mapping VLSI	5 Months	0.10	0.10	Publication
			Amount received (Rs.): 0.17		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr. K. RENGANATHAN	IOT Based Multiple Control Home Automation System	4 Months	0.04	0.04	Prototype
Mr. P. Sidhanathan	Fast Binary Counters and Compressors Generated by Sorting Network.	4 Months	0.03	0.03	Prototype
			Amount received (Rs.): 0.07		

Total amount (Lacs) received for the past 3 years : 0.42

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

D1. Adequate and Well-Equipped Laboratories, and Technical Manpower

Table No.D1.1: List of laboratories and technical manpower.

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Electronic Devices And Circuits Laboratory	30	1. CRO/DSO(30MHz) 2. Signal Generators / Function Generators (3MHz) 3. Dual Regulated Power Supplies(0-30V,4 Digital Multimeter 5. SPICE Simulator 6	3 hours	Mrs.Lakshmi Prabha	Lab Technician	DECE
2	C Programming And Data Structures Laboratory	30	1.INTEL Based desktop PC with min.8GB RAM and 500GB HDD 2. 17" or higher TFT Monitor 3. Keyboard and mouse 4. Windows 10 or higher operating	3 hours	Mrs.Pradeepa	Lab Technician	B.E.,
3	Communication Systems Laboratory	30	1.Trainer kits for AM , FM , Signal Sampling , TDM ,PCM , PAM , PPM ,PWM ,DM and Line Coding Schemes 2. Trainer kits for ASK, FSK and BSK 3. CRO/DSO(30MHz)	3 hours	Ms.K.Sowndarya	Lab Technician	B.E.,
4	Linear Integrated Circuits Laboratory	30	1. DSO and Arbitrary Function Generator / signal generator 2. Power supplies 3. Digital Multimeter 4.Digital LCR Meter 5.Standalone desktops	3 hours	Mrs.Lakshmi Prabha	Lab Technician	DECE
5	VLSI Laboratory	30	1.Xilinx ISE/ Altera Quartus / equivalent EDA Tools 2.Xilinx/Altera/equivalent FPGA Boards 3.Personal Computer 4.Cadence/Mentor Graphics/Open Source	3 hours	Mrs.Rubha	Lab Technician	B.E.,
6	Digital System Design Laboratory	30	1. Digital Trainer kits 2.Power Supplies 3.EDA Tools	2 hours	Mrs.Lakshmi Prabha	Lab Technician	DECE
7	Digital Signal Processing Laboratory	30	1.PCs with Fixed / Floating point DSP processors(kit/Add-on Cards) 2. MATLAB with simulink and signal processing Tool Box or Equivalent software in desktop systems 3	2 hours	Mrs.Rubha	Lab Technician	B.E.,
8	Networks and Security Laboratory	30	1.INTEL based desktop PC with min.8GBRAM and 500GB HDD,17" or higher TFT Monitor , keyboard and mouse 2.Windows 10 or higher operating system	2 hours	Mrs.Pradeepa	Lab Technician	B.E.,
9	Embedded Systems And IOT Design Laboratory	30	1.Embedded trainer kits with ARM board 2.Embedded trainer kits suitable for wireless communication 3.Adequate quantities of Hardware, software and	2 hours	Ms.K.Sowndarya	Lab Technician	B.E.,
10	Analog IC Design Laboratory	30	1.INTEL based desktop PC with min.8GBRAM and 500GB HDD,17" or higher TFT Monitor , keyboard and mouse 2.Windows 10 or higher operating system	2 hours	Mrs.Rubha	Lab Technician	B.E.,
11	Wireless CommunicationLaboratory	30	1.INTEL based desktop PC with min.8GBRAM and 500GB HDD,17" or higher TFT Monitor , keyboard and mouse 2.Windows 10 or higher operating system 3	2 hours	Mrs.Rubha	Lab Technician	B.E.,
12	Antenna Design Laboratory	30	1.INTEL based desktop PC with min.8GBRAM and 500GB HDD,17" or higher TFT Monitor , keyboard and mouse 2.Windows 10 or higher operating system 3	2 hours	Mrs.Rubha	Lab Technician	B.E.,
13	4G/5G Communication NetworksLaboratory	30	1.INTEL based desktop PC with min.8GBRAM and 500GB HDD,17" or higher TFT Monitor , keyboard and mouse 2.Windows 10 or higher operating system 3	2 hours	Mrs.Rubha	Lab Technician	B.E.,
14	Artificial Intelligence and Machine Learning laboratory	30	1.INTEL based desktop PC with min.8GBRAM and 500GB HDD,17" or higher TFT Monitor , keyboard and mouse 2.Windows 10 or higher operating system 3	2 hours	Mrs.Pradeepa	Lab Technician	B.E.,

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Electronic Devices And Circuits Laboratory	1. Wearing shoes and lab coats. 2. Sweeping up of burnt resistors and bread board. 3. Usage of fire extinguisher. 4. First Aid Box 5. Usage of an appropriate stand for holding your soldering iron. 6. Turning off soldering iron if it is unlikely to be used for more than 10 minutes. 7. Use of Heat Sink when soldering temperature sensitive components. 8. To avoid electric shock used MCBs
2	C Programming And Data Structures Laboratory	1. Should not attempt to repair ,open ,tamper or interfere with any of the computer, printing ,cabling ,or other equipment in the laboratory.
3	Communication Systems Laboratory	1. Wearing shoes and lab coats. 2. Sweeping up of burnt resistors and bread board. 3. Usage of fire extinguisher. 4. First Aid Box 5. Usage of an appropriate stand for holding your soldering iron. 6. Turning off soldering iron if it is unlikely to be used for more than 10 minutes. 7. Use of Heat Sink when soldering temperature sensitive components. 8. To avoid electric shock used MCBs
4	Linear Integrated Circuits Laboratory	1. Wearing shoes and lab coats. 2. Sweeping up of burnt resistors and bread board. 3. Usage of fire extinguisher. 4. First Aid Box 5. Usage of an appropriate stand for holding your soldering iron. 6. Turning off soldering iron if it is unlikely to be used for more than 10 minutes. 7. Use of Heat Sink when soldering temperature sensitive components. 8. To avoid electric shock used MCBs
5	VLSI Laboratory	1. Should not attempt to repair ,open ,tamper or interfere with any of the computer, printing ,cabling ,or other equipment in the laboratory.
6	Digital System Design Laboratory	1. Wearing shoes and lab coats. 2. Sweeping up of burnt resistors and bread board. 3. Usage of fire extinguisher. 4. First Aid Box 5. Usage of an appropriate stand for holding your soldering iron. 6. Turning off soldering iron if it is unlikely to be used for more than 10 minutes. 7. Use of Heat Sink when soldering temperature sensitive components. 8. To avoid electric shock used MCBs
7	Digital Signal Processing Laboratory	1. Should not attempt to repair ,open ,tamper or interfere with any of the computer, printing ,cabling ,or other equipment in the laboratory
8	Networks And Security Laboratory	1. Should not attempt to repair ,open ,tamper or interfere with any of the computer, printing ,cabling ,or other equipment in the laboratory.
9	Embedded systems And IOT Design Laboratory	1. Data will be preserved using UPS Backup. 2. Equipped with fire extinguisher. 3. Students and faculties are instructed to follow Safety Instructions Chart in the Laboratories. 4. Before Data will be preserved using UPS Backup. 5. Keep all the computers updated with antivirus software. 6. Make sure the Firewalls are enabled on each and every computer. 7. Students inserting USB stick, the pen drives have to be scanned for many malicious content. 8. Sufficient width of passage. 9. Number of more passage width.
10	Analog IC Design Laboratory	1. Should not attempt to repair ,open ,tamper or interfere with any of the computer, printing ,cabling ,or other equipment in the laboratory

11	Wireless Communication Laboratory	1. Should not attempt to repair ,open ,tamper or interfere with any of the computer, printing ,cabling ,or other equipment in the laboratory
12	Antenna Design Laboratory	1. Should not attempt to repair ,open ,tamper or interfere with any of the computer, printing ,cabling ,or other equipment in the laboratory
13	4G/5G Communication Networks Laboratory	1. Should not attempt to repair ,open ,tamper or interfere with any of the computer, printing ,cabling ,or other equipment in the laboratory
14	Artificial Intelligence And Machine Learning Laboratory	1. Should not attempt to repair ,open ,tamper or interfere with any of the computer, printing ,cabling ,or other equipment in the laboratory

D3. Project Laboratory/Research Laboratory

PART E: First Year faculty and financial Resources

(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) +(NS2*0.2))/RF
2023-24(CAYm2)	420	21	19	4	76
2024-25(CAYm1)	420	21	22	4	88
2025-26(CAY)	420	21	13	2	51

E2. Budget Allocation, Utilization, and Public Accounting at Institute Level

Table No. E2.1: Budget and actual expenditure incurred at Institute level.

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	0	0	0	0	00	0	0	0
Library	200000	155685.00	105000.00	92400.00	295000	257586	160000.00	130250.00

Laboratory equipment	150000.00	113210.00	150000	83290.00	28000.00	26900.00	180000.00	132475.00
Teaching and non-teaching staff salary	9350000.00	9119300.00	9000000.00	8513776.00	7550000.00	7279942.00	7920000.00	6951918.00
Outreach Programs	52000.00	45750.00	25500.00	22745.00	25000.00	23300.00	20000.00	19740.00
R&D	590000	568750	500000.00	467855.00	380000.00	349685.00	400000.00	394520.00
Training, Placement and Industry linkage	280000.00	266955.00	250000.00	212600.00	200000.00	162500.00	170000	162455.00
SDGs	540000.00	523600.00	500000.00	474555.00	250000.00	212400.00	295000	289456
Entrepreneurship	25000.00	24560.00	19500.00	18795.00	22000.00	18560.00	18500.00	17350.00
Others, specify	29050000.00	26776481.00	20000000.00	17025711.00	15000000.00	12936333.00	14000000.00	13015845.00
Total	**40237000.00**	**37594291.00**	**30550000.00**	**26911727.00**	**23750000.00**	**21267206.00**	**23163500.00**	**21114009.00**

E3. Budget Allocation, Utilization, and Public Accounting at Program Specific Level

Table No. E3.1: Budget and actual expenditure incurred at program level.

Items	**Budgeted in 2025-26**	**Actual Expenses in 2025-26 till**	**Budgeted in 2024-25**	**Actual Expenses in 2024-25 till**	**Budgeted in 2023-24**	**Actual Expenses in 2023-24 till**	**Budgeted in 2022-23**	**Actual Expenses in 2022-23 till**
Laboratory equipment	38500.00	30490.00	31000.00	28200.00	11970.00	9850.00	33000.00	32560.00
Software	18000.00	17550.00	26000.00	24550.00	18500.00	17550.00	17000.00	15890.00
SDGs	58000.00	56855.00	62500.00	59500.00	57500.00	55780.00	58500.00	54600.00
Support for faculty development	20000.00	17290.00	19800.00	16800.00	17500.00	14750.00	17540.00	15500.00
R & D	76000.00	73750.00	70500.00	67500.00	63500.00	59650.00	56000.00	54500.00
Industrial Training, Industry expert, Internship	43550.00	37890.00	40000.00	38500.00	39000.00	33000.00	39500.00	34500.00
Miscellaneous Expenses*	1615290.00	1468450.00	1401357.00	1364870.00	1415150.00	1236500.00	1083016.00	984560.00
Total	**1869340.00**	**1702275.00**	**1651157.00**	**1599920.00**	**1623120.00**	**1427080.00**	**1304556.00**	**1192110.00**