

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 : 1
Application No : 11299	Date of Submission : 28-11-2025

PART A- Profile of the Institute

A1.Name of the Institute : KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 1998	Location of the Institute: Virudhunagar
A2. Institute Address :KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY VIRUDHUNAGAR TAMILNADU 626001	
City:VIRUDHUNAGAR	State:Tamil Nadu
Pin Code:626001	Website:www.kamarajengg.edu.in
Email:mail@kamarajengg.edu.in	Phone No(with STD Code):04549-278171
A3. Name and Address of the Affiliating University (if any) :	
Name of the University :	City: Chennai
State : Tamil Nadu	Pin Code: 600025
A4. Type of the Institution : Self-Supported Institute	
A5. Ownership Status : Self financing	

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

- No. of UG programs: **9**
- No. of PG programs: **2**

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	2020	--	Artificial Intelligence and Data Science
2	Engineering & Technology	UG	Biotechnology	2002	--	Biotechnology
3	Engineering & Technology	UG	Civil Engineering	2009	--	Civil Engineering
4	Engineering & Technology	PG	Communication and Networks	2011	--	Electronics and Communication Engineering
5	Engineering & Technology	UG	Computer Science and Engineering	1998	--	Computer Science and Engineering
6	Engineering & Technology	UG	Electrical and Electronics Engineering	2002	--	Electrical and Electronics Engineering
7	Engineering & Technology	UG	Electronics & Communication Engineering	1998	--	Electronics and Communication Engineering
8	Engineering & Technology	UG	Information Technology	2001	--	Information Technology
9	Engineering & Technology	UG	Mechanical Engineering	2005	--	Mechanical Engineering
10	Engineering & Technology	UG	Mechatronics Engineering	2014	--	Mechatronics Engineering
11	Engineering & Technology	PG	Power Systems Engineering	2012	--	Electrical and Electronics 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
Computer Science and Engineering	Yes	Computer Science and 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	AC ST
1	Electronics & Communication Engineering	UG	1998 / --	40	Yes	2023	120	2023	FILE No. Southern/1-44642671950/2025/EOA dated 20.03.2025	Gr ac ye pe

Sanctioned Intake for Last Five Years for the Electronics & Communication Engineering	
Academic Year	Sanctioned Intake
2025-26	120
2024-25	120
2023-24	120
2022-23	60
2021-22	60
2020-21	120

List of the Allied Departments/Cluster and Programs:

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

A. Name of the HoD :	Dr. R. Suresh Babu
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)	120	120	120	60	60	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	120	106	119	56	55	55	77
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	5	4	6	5	6	3
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.	120	111	123	62	60	61	80

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)	120	120	0	100.00
2024-25 (CAYm1)	120	106	0	88.33
2023-24 (CAYm2)	120	119	0	99.17

Average [(ER1 + ER2 + ER3) / 3] = 95.83≡ 20.00

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

Table No.B5.1: The success rate in the stipulated period of a program.			
Item	(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).	65.00	126.00	123.00
B=No. of students who graduated from the program in the stipulated course duration	57.00	59.00	80.00

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 66.52

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)
Mean of CGPA or mean percentage of all successful students(X)	7.84	8.01	8.12
Y=Total no. of successful students	106.00	119.00	56.00
Z=Total no. of students appeared in the examination	106.00	119.00	56.00
API [X*(Y/Z)]	7.84	8.00	8.12

Average API[(AP1+AP2+AP3)/3] : 7.99

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.

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

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)	7.89	7.96	8.44
Y=Total no. of successful students	62.00	60.00	61.00
Z=Total no. of students appeared in the examination	62.00	60.00	61.00
API [X*(Y/Z)]:	7.89	7.96	8.44

Average API [(AP1 + AP2 + AP3)/3] : 8.10

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	65.00	126.00	123.00
X=No. of students placed	53.00	41.00	62.00
Y=No. of students admitted to higher studies	1.00	6.00	1.00
Z= No. of students taking up entrepreneurship	2.00	1.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	86.15	38.10	52.03

Average Placement Index = (P_1 + P_2 + P_3)/3: 58.76 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 NO, Date of Leaving
1	Dr. R. Suresh Babu	XXXXXXXX11D	Ph.D	Anna University	Communication Systems	04/04/2001	24.7	Lecturer	Professor	01/05/2018	Regular	Yes	
2	Dr. T. Pandiselvi	XXXXXXXX49P	Ph.D	Anna University	Communication Systems	27/07/2011	14.4	Assistant Professor	Associate Professor	01/03/2023	Regular	Yes	
3	Dr. N. M.Mary Sindhuja	XXXXXXXX64L	Ph.D	Anna University	Communication Systems	05/07/2010	15.4	Lecturer	Associate Professor	01/03/2023	Regular	Yes	
4	Dr. T. Prathiba	XXXXXXXX46F	Ph.D	Anna University	Applied Electronics	15/11/2010	15	Assistant Professor	Associate Professor	01/07/2024	Regular	Yes	
5	Dr. S. Nisha Rani	XXXXXXXX80G	Ph.D	Anna University	Communication Systems	04/05/2011	14.6	Assistant Professor	Assistant Professor		Regular	Yes	
6	Dr. R. Ashok	XXXXXXXX74G	Ph.D	Anna University	Communication Systems	25/11/2011	14	Assistant Professor	Assistant Professor		Regular	Yes	
7	Dr. K. Ragini	XXXXXXXX14A	Ph.D	Anna University	Communication Systems	06/01/2025	0.10	Assistant Professor	Assistant Professor		Regular	Yes	

8	Dr. R. Rajprabu	XXXXXXXX96N	Ph.D	Anna University	VLSI Design	21/07/2016	9.4	Assistant Professor	Assistant Professor		Regular	Yes	
9	Mrs. C. Nagavani	XXXXXXXX29B	M.E.	Anna University	Embedded System Technologies	23/07/2003	22.4	Lecturer	Assistant Professor		Regular	Yes	
10	Mr. P. Aravind	XXXXXXXX69L	M.E.	Anna University	VLSI Design	20/05/2011	14.6	Assistant Professor	Assistant Professor		Regular	Yes	
11	Mrs. P. Ramalakshmi	XXXXXXXX50E	M.E.	Anna University	VLSI Design	21/06/2017	8.5	Assistant Professor	Assistant Professor		Regular	Yes	
12	Mr. S. Alwyn Rajiv	XXXXXXXX75H	M.E.	Anna University	Communication Systems	03/12/2014	10.11	Assistant Professor	Assistant Professor		Regular	Yes	
13	Mrs. P. Muthumari	XXXXXXXX35M	M.E.	Anna University	VLSI Design	03/12/2014	10.11	Assistant Professor	Assistant Professor		Regular	Yes	
14	Mr. S. Wesely Moses Samdoss	XXXXXXXX82B	M.E.	Anna University	Communication and Networking	01/06/2017	8.5	Assistant Professor	Assistant Professor		Regular	Yes	
15	Mrs. M. Sony Jenusha	XXXXXXXX09N	M.E.	Anna University	Communication Systems	20/01/2025	0.10	Assistant Professor	Assistant Professor		Regular	Yes	
16	Mrs. T. Monisha Birlin	XXXXXXXX87M	M.E.	Dr. M. G. R Educational and Research Institute University	Applied Electronics	08/09/2025	0.2	Assistant Professor	Assistant Professor		Regular	Yes	
17	Mrs. M. Stella Mercy	XXXXXXXX98M	M.E.	Anna University	Communication Systems	02/07/2012	11.11	Assistant Professor	Assistant Professor		Regular	No	28/06/20

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	125	125	66
UG1.C	125	66	65
UG1.D	66	65	126
UG1: Electronics & Communication Engineering	316	256	257
PG1.A	6	6	9
PG1.B	6	9	9
PG1: Communication and Networks	12	15	18
DS=Total no. of students in all UG and PG programs in the Department	328	271	275
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= 328	S2= 271	S3= 275
DF=Total no. of faculty members in the Department	15	13	14
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= 15	F2= 13	F3= 14
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 21.87	SFR2= 20.85	SFR3= 19.64
Average SFR for 3 years	SFR= 20.79		

C3. Faculty Qualification

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

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = $2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	8	7	16.00	16.88
2024-25(CAYm1)	5	8	13.00	15.77
2023-24(CAYm2)	5	9	13.00	16.54

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 RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	1.00	3.00	3.00	10.00	11.00
2024-25	1.00	1.00	3.00	3.00	9.00	9.00
2023-24	1.00	1.00	3.00	2.00	9.00	11.00
Average	RF1=1.00	AF1=1.00	RF2=3.00	AF2=2.67	RF2=9.33	AF2=10.33

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.A.Kesavan	CEO	Quantanics Techserv Pvt Ltd, Madurai	Full Stack development using IoT networks	50.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr.K.Subramanian	Technical Engineer	Enthu Technology Solutions India Pvt. Ltd, Coimbatore	Internet of Things using LoRAWAN Technology	50.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.A.Kesavan	CEO	Quantanics Techserv Pvt Ltd, Madurai	Machine Learning & AI	50.00

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	8	6	6
2	No. of peer reviewed conference papers published	27	31	21
3	No. of books/book chapters published	7	4	1

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
-	-	-	-	-	-	0.00
						Amount received (Rs.):0.00

(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
-	-	-	-	-	-	0.00
						Amount received (Rs.):0.00

(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
Dr. D. Prince Winston	Dr. S. Nisharani	EEE & ECE	Children centric outreach Programme	DST –NCSTC Scheme	1 Year	14.04
						Amount received (Rs.):14.04

Total Amount (Lacs) Received for the Past 3 Years: 14.04

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
Dr.D.Prince Winston	Dr.R.Rajprabu	ECE & EEE	Development of Temperature Monitoring and Control system	Kani Dhal Mill	6	0.05
						Amount received (Rs.):0.05

(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
-	-	-	-	-	-	0.00
						Amount received (Rs.):0.00

(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
-	-	-	-	-	-	0.00
						Amount received (Rs.):0.00

Total amount (Lacs) received for the past 3 years: 0.05

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
Dr.R.Sureshbabu	Surveillance Drone	1 Year	5.00	4.47	Working Model Created
Dr.T.Prathiba	Automated Infrared Thermal Imaging (IRTI)	1 Year	5.00	3.90	CEDI Hackathon Presented
Mr.R.Ashok	Solar-Powered Electric Vehicle with Dynamic Solar Panel Reconfiguration for Optimal Power Generation	1 Year	5.00	3.50	Working Model Created
			Amount received (Rs.): 15.00		

(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
Dr.T.Prathiba Dr.R.Ramya Dr.S.NishaRani	Tyre Doctor	1 Year	0.24	0.24	Design Patent Filed and Conference Presented
Dr.R.Suresh Babu Dr.T.Prathiba Mrs.P.Muthumari	Thread Break Detection (TBD)	1 Year	0.30	0.30	Design Patent Granted
Dr. S.Thangakasirajan Mr.S.Alwyn Rajiv	two fold adjustable solar panel external attachment on the top of E-Vehicle	1 Year	0.30	0.31	Design Patent Granted
			Amount received (Rs.): 0.84		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr.R.SureshBabu Dr.T.Prathiba, Mrs.P. Muthumari	Automatic Security Kit for Detecting and Repelling Wild Boar in Farm Land	1 Year	0.25	0.25	Working Model Created and Conference Presented
			Amount received (Rs.): 0.25		

Total amount (Lacs) received for the past 3 years : 16.09

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	Circuits and Devices Laboratory	3	Digital Storage Oscilloscope	ODD:16 hours	Mr.R.Mohan	Technician	D.E.C.E.
2	Circuits and Devices Laboratory	3	Function Generator	ODD:16 hours	Mr.R.Mohan	Technician	D.E.C.E.
3	Circuits and Devices Laboratory	3	Regulated Power Supply	ODD:16 hours	Mr.R.Mohan	Technician	D.E.C.E.
4	Analog and Digital Laboratory	3	Digital Storage Oscilloscope	EVEN:16 hours	Mr.R.Mohan	Technician	D.E.C.E.
5	Analog and Digital Laboratory	3	Function Generator	EVEN:16 hours	Mr.R.Mohan	Technician	D.E.C.E.
6	Analog and Digital Laboratory	3	Regulated Power Supply	EVEN:16 hours	Mr.R.Mohan	Technician	D.E.C.E.
7	Analog and Digital Laboratory	3	Digital IC Trainer Kit	EVEN:16 hours	Mr.R.Mohan	Technician	D.E.C.E.
8	Analog and Digital Laboratory	3	Analog Pro Kit	EVEN:16 hours	Mr.R.Mohan	Technician	D.E.C.E.

9	Analog and Digital Laboratory	3	PSPICE Software	EVEN:16 hours	Mr.R.Mohan	Technician	D.E.C.E.
10	Digital systems Laboratory	3	Digital IC Trainer Kit	ODD:16 hours	Mr.R.Mohan	Technician	D.E.C.E.
11	Digital systems Laboratory	3	Digital IC Tester	ODD:16 hours	Mr.R.Mohan	Technician	D.E.C.E.
12	Digital systems Laboratory	3	Xilinx Software	ODD:16 hours	Mr.R.Mohan	Technician	D.E.C.E.
13	Linear Integrated Circuits Laboratory/ Communication	3	Mixed Signal Oscilloscope	EVEN:24 hours	Mrs.R.Barani	Instructor	D.E.C.E.
14	Linear Integrated Circuits Laboratory/ Communication	3	Digital Storage Oscilloscope	EVEN:24 hours	Mrs.R.Barani	Instructor	D.E.C.E.
15	Linear Integrated Circuits Laboratory/ Communication	3	Function Generator	EVEN:24 hours	Mrs.R.Barani	Instructor	D.E.C.E.
16	Linear Integrated Circuits Laboratory/ Communication	3	Dual Regulated Power Supply	EVEN:24 hours	Mrs.R.Barani	Instructor	D.E.C.E.
17	Linear Integrated Circuits Laboratory/ Communication	3	PSPICE Software	EVEN:24 hours	Mrs.R.Barani	Instructor	D.E.C.E.
18	Linear Integrated Circuits Laboratory/ Communication	3	AM, FM, PCM, PAM, PPM, PWM Kits	EVEN:24 hours	Mrs.R.Barani	Instructor	D.E.C.E.
19	Linear Integrated Circuits Laboratory/ Communication	3	ASK, FSK, PSK, QPSK kits	EVEN:24 hours	Mrs.R.Barani	Instructor	D.E.C.E.
20	Linear Integrated Circuits Laboratory/ Communication	3	Delta Modulation, TDM Line Coding kits, Spectrum Analyzer	EVEN:24 hours	Mrs.R.Barani	Instructor	D.E.C.E.
21	Linear Integrated Circuits Laboratory/ Communication	3	Sampling Reconstruction Kit	EVEN:24 hours	Mrs.R.Barani	Instructor	D.E.C.E.
22	Digital system Design and Microprocessor Laboratory	3	Digital Storage Oscilloscope	ODD:40 hours	Mrs.R.Barani	Instructor	D.E.C.E.
23	Digital system Design and Microprocessor Laboratory	3	Regulated Power Supply	ODD:40 hours	Mrs.R.Barani	Instructor	D.E.C.E.
24	Digital system Design and Microprocessor Laboratory	3	Function Generator	ODD:40 hours	Mrs.R.Barani	Instructor	D.E.C.E.
25	Digital system Design and Microprocessor Laboratory	3	Digital IC Trainer Kit	ODD:40 hours	Mrs.R.Barani	Instructor	D.E.C.E.
26	Digital system Design and Microprocessor Laboratory	3	Digital IC Tester	ODD:40 hours	Mrs.R.Barani	Instructor	D.E.C.E.
27	Digital system Design and Microprocessor Laboratory	3	8086 Microprocessor kits	ODD:40 hours	Mrs.R.Barani	Instructor	D.E.C.E.
28	Digital system Design and Microprocessor Laboratory	3	8051 Microcontroller kits	ODD:40 hours	Mrs.R.Barani	Instructor	D.E.C.E.
29	Digital system Design and Microprocessor Laboratory	3	Stepper motor interface kit	ODD:40 hours	Mrs.R.Barani	Instructor	D.E.C.E.
30	Digital system Design and Microprocessor Laboratory	3	Traffic light controller interface kit	ODD:40 hours	Mrs.R.Barani	Instructor	D.E.C.E.
31	Digital system Design and Microprocessor Laboratory	3	Keyboard & Display interface board	ODD:40 hours	Mrs.R.Barani	Instructor	D.E.C.E.
32	Advanced Communication Laboratory	3	Klystron power supply, Reflex klystron Mount, Gunn power supply, Gunn oscillator, pin Modulator, isolator	ODD:24 hours	Mrs. A.Prabha N	Technician	D.E.C.E.
33	Advanced Communication Laboratory	3	Vector Network Analyzer	ODD:24 hours	Mrs. A.Prabha N	Technician	D.E.C.E.
34	Advanced Communication Laboratory	3	Optical Trainer Kits	ODD:24 hours	Mrs. A.Prabha N	Technician	D.E.C.E.
35	Advanced Communication Laboratory	3	Power Meter	ODD:24 hours	Mrs. A.Prabha N	Technician	D.E.C.E.

36	Advanced Communication Laboratory	  	3	Antenna Set up (Yagi Uda, Square Loop, Helical, Monopole, Dipole Antennas)	ODD:24 hours	Mrs. A.Prabha N	Technician	D.E.C.E.
37	Advanced Communication Laboratory	  	3	MATLAB Software	ODD:24 hours	Mrs. A.Prabha N	Technician	D.E.C.E.
38	VLSI Design Laboratory/ Digital Time Signal Processing	  	1	Intel core i5 – 4570 CPU @3.2GHz, 4GB DDR3 SDRAM, 500 GB hard disk	ODD:24 hours	Mrs. R. Kohila	Technician	D.E.C.E.
39	VLSI Design Laboratory/ Digital Time Signal Processing	  	1	Digital Storage Oscilloscope	ODD:24 hours	Mrs. R. Kohila	Technician	D.E.C.E.
40	VLSI Design Laboratory/ Digital Time Signal Processing	  	1	Spartan 3E and Spartan 6 Trainer kit	ODD:24 hours	Mrs. R. Kohila	Technician	D.E.C.E.
41	VLSI Design Laboratory/ Digital Time Signal Processing	  	1	Virtex 5 Kit	ODD:24 hours	Mrs. R. Kohila	Technician	D.E.C.E.
42	VLSI Design Laboratory/ Digital Time Signal Processing	  	1	Tanner Software	ODD:24 hours	Mrs. R. Kohila	Technician	D.E.C.E.
43	VLSI Design Laboratory/ Digital Time Signal Processing	  	1	Xilinx Software	ODD:24 hours	Mrs. R. Kohila	Technician	D.E.C.E.
44	VLSI Design Laboratory/ Digital Time Signal Processing	  	1	Fixed / Floating point DSP Processor Kits	ODD:24 hours	Mrs. R. Kohila	Technician	D.E.C.E.
45	Microprocessor and Embedded systems Laboratory	  	1	Intel core i5 – 4570 CPU @ 3.20 GHz, 4 GB DDR3 SDRAM	ODD:8 hours E	Mrs. A.Prabha N	Technician	D.E.C.E.
46	Microprocessor and Embedded systems Laboratory	  	1	ARM cortex M4 Kit	ODD:8 hours E	Mrs. A.Prabha N	Technician	D.E.C.E.
47	Microprocessor and Embedded systems Laboratory	  	1	Microprocessor & Controller Kits- 8086, 8051.	ODD:8 hours E	Mrs. A.Prabha N	Technician	D.E.C.E.
48	Microprocessor and Embedded systems Laboratory	  	1	Arduino and Raspberry PI	ODD:8 hours E	Mrs. A.Prabha N	Technician	D.E.C.E.
49	Microprocessor and Embedded systems Laboratory	  	1	Universal PIC Embedded Trainer Kit	ODD:8 hours E	Mrs. A.Prabha N	Technician	D.E.C.E.
50	Microprocessor		1	LG Lite ATE with 32 Channel 50MHz Logic Analyzer and Pattern Generator	ODD:8 hours E	Mrs. A.Prabha N	Technician	D.E.C.E.
51	Microprocessor		1	Zigbee	ODD:8 hours E	Mrs. A.Prabha N	Technician	D.E.C.E.
52	Engineering Practices Laboratory	  	3	Digital Storage Oscilloscope	EVEN:40 hours	Mrs.R.Barani	Instructor	D.E.C.E.
53	Engineering Practices Laboratory	  	3	Mixed Signal Oscilloscope	EVEN:40 hours	Mrs.R.Barani	Instructor	D.E.C.E.
54	Engineering Practices Laboratory	  	3	Regulated Power Supply	EVEN:40 hours	Mrs.R.Barani	Instructor	D.E.C.E.
55	Engineering Practices Laboratory	  	3	Function Generator	EVEN:40 hours	Mrs.R.Barani	Instructor	D.E.C.E.
56	Engineering Practices Laboratory	  	3	Digital IC Trainer Kit	EVEN:40 hours	Mrs.R.Barani	Instructor	D.E.C.E.
57	Engineering Practices Laboratory	  	3	Digital IC Tester	EVEN:40 hours	Mrs.R.Barani	Instructor	D.E.C.E.

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Circuits and Devices Laboratory / Analog and Digital Laboratory / Digital systems Laboratory / Linear Integrated Circuits Laboratory / Engineering Practices Laboratory	- General Rules of Conduct in Laboratories are displayed. - First aid box, Fire extinguisher is kept in the laboratory. - Fire Hydrant is available in all the building. - MCBs are available to ensure electrical safety enabling tripping the circuit under faulty conditions. - Workbenches are fitted with fuse. - Insulated Terminals are used in the workbench. - All Work Tables are properly earthed & erected with suitable dimensions of beds. - Well-furnished wooden tables and stools are provided for better insulation against shock hazards. - Adequate spacing between Equipment is maintained. - Wearing of coat and shoes inside the laboratory is insisted. - Periodical servicing of the lab equipment. - Maintain a clean and organized laboratory. - Avoiding the use of cell phones. - Edible items are prohibited in the laboratory.

2	Digital system Design and Microprocessor Laboratory	• General Rules of Conduct in Laboratories are displayed. • First aid box, Fire extinguisher is kept in the laboratory. • Fire Hydrant is available in all the building. • CCTV camera is attached. • MCBs are available to ensure electrical safety enabling tripping the circuit under faulty conditions. • Adequate spacing between Equipment is maintained. • Wearing of coat inside the laboratory is insisted. • Periodical servicing of the lab equipment. • Maintain a clean and organized laboratory. • Avoiding the use of cell phones. • Appropriate storage areas • Lightning arresters are installed on the rooftops of all buildings. • Edible items are prohibited in the laboratory.
3	Advanced Communication Laboratory	• General Rules of Conduct in Laboratories are displayed. • First aid box, Fire extinguisher is kept in the laboratory. • Fire Hydrant is available in all the building. • CCTV camera is attached. • MCBs are available to ensure electrical safety enabling tripping the circuit under faulty conditions. • Adequate spacing between Equipment is maintained. • Wearing of coat inside the laboratory is insisted. • Periodical servicing of the lab equipment. • Maintain a clean and organized laboratory. • Avoiding the use of cell phones. • Appropriate storage areas • Lightning arresters are installed on the rooftops of all buildings. • Edible items are prohibited in the laboratory. • Stabilized electrical supply through UPS facility.
4	VLSI Design Laboratory / Digital Time Signal Processing Laboratory / Microprocessor and Embedded systems Laboratory	• General Rules of Conduct in Laboratories are displayed. • First aid box, Fire extinguisher is kept in the laboratory. • Fire Hydrant is available in all the building. • CCTV camera is attached. • MCBs are available to ensure electrical safety enabling tripping the circuit under faulty conditions. • Adequate spacing between Equipment is maintained. • Wearing of coat inside the laboratory is insisted. • Periodical servicing of the lab equipment. • Maintain a clean and organized laboratory. • Avoiding the use of cell phones. • Appropriate storage areas • Lightning arresters are installed on the rooftops of all buildings. • Edible items are prohibited in the laboratory. • Sign the log-out register before leaving the lab. • Stabilized electrical supply through UPS facility. • Centralized Anti-virus software installed in the server serves all PCs in intranet. • USB port disabled to avoid using pen drives.

D3. Project Laboratory/Research Laboratory

Sl. No	Name of the Laboratory	Facilities	Utilization
1.	Project Laboratory	Agricultural Drone Surveillance Drone Thermal Imaging Camera Module Smart Incinerator Sanitary Napkin Vending Machine Sanitary Napkin Vending Machine (three product) IoT Based Covid Detector trainer E – Vehicle Automatic Speed control school Zone Series parallel Power consumption Waste segregation management system	UG project work and faculty research work
2.	Research Laboratory	MATLAB Software LabVIEW Software NS2 Software	
3.	Centre of Excellence	Pantech IOT kits-12 Nos Air Monitoring, Home Automation, Inventory, LoRa11, Speed Limiter, LiFi V to V, V2V-IoT, Smart Energy dashboard system, VigilEye Driver Assist, Gesture controlled Robot, Chromatic NavCart for shopping mart and automatic billing robot, Self driving scaled car model with Lane detection using YOLOV5 architecture.	

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
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2023-24(CAYm2)	660	33	26	12	70
2024-25(CAYm1)	720	36	27	13	67
2025-26(CAY)	720	36	27	12	67

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	23426000	16530425	17060000	13880468	12825000	10253590	8300000	8247809
Library	430000	110182	58000	274424	450000	463553	325000	165987
Laboratory equipment	19822000	11971004	18297000	22135562	14365000	5753703	5263000	3583877
Teaching and non-teaching staff salary	172330000	99617568	126089000	132455285	116000000	114738143	119580000	117551275
Outreach Programs	7700000	5387291	9628000	9554745	4000000	3939209	3100000	3198596
R&D	600000	448347	5600000	1073557	2000000	1358483	1000000	451052
Training, Placement and Industry linkage	11640000	6276467	11733000	9872295	9346000	5786240	8858000	8516392
SDGs	4050000	1742327	3750000	3645374	1250000	1256004	1260000	1029448
Entrepreneurship	100000	780	200000	187387	500000	164030	150000	140488
Others, specify	64455000	29399216	48711480	52546223	39106000	41070536	40850000	32569912
Total	304553000	171483607	241126480	245625320	199842000	184783491	188686000	175454836

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	3000000	1629314	1620000	4549803	1200000	1045011	450000	386416
Software	20000	14840	50000	20229	11000	9252	25000	12692
SDGs	1000000	268050	0	0	0	0	0	0
Support for faculty development	200000	86263	24000	19661	41000	33063	25000	18397
R & D	1000000	483533	200000	153365	245000	194069	80000	62908
Industrial Training, Industry expert,	3000000	965610	2000000	1410328	935000	826606	1420000	1218896
Miscellaneous Expenses*	50000000	19814564	37750000	27064810	26568000	22555060	24000000	21247493
Total	58220000	23262174	41644000	33218196	29000000	24663061	26000000	22946802