

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 : 11479	Date of Submission : 16-01-2026

PART A- Profile of the Institute

A1.Name of the Institute : GOVT.COLLEGE OF ENGG,KANNUR DISTRICT,KERALA	
Year of Establishment : NIL	Location of the Institute: Andoor
A2. Institute Address :P.O PARASSINIKKADAVU	
City:KANNUR	State:Kerala
Pin Code:670563	Website:www.gcek.ac.in
Email:PRINCIPAL@GCEK.AC.IN	Phone No(with STD Code):0497-2780226
A3. Name and Address of the Affiliating University (if any) :	
Name of the University : NIL	City: Thiruvananthapuram
State : Kerala	Pin Code: 695023
A4. Type of the Institution : Government Institute	
A5. Ownership Status : State Government	

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

- No. of UG programs: **5**
- No. of PG programs: **9**

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	PG	Advanced Manufacturing and Mechanical Systems Design	2011	--	Mechanical Engineering
2	Engineering & Technology	PG	Artificial Intelligence and Data Science	2024	--	Computer Science and Engineering
3	Engineering & Technology	UG	Civil Engineering	1986	--	Civil Engineering
4	Engineering & Technology	PG	Computer Aided Structural Engineering	2012	--	Civil Engineering
5	Engineering & Technology	UG	Computer Science and Engineering	2001	--	Computer Science and Engineering
6	Engineering & Technology	UG	Electrical & Electronics Engineering	1986	--	Electrical and Electronics Engineering
7	Engineering & Technology	UG	Electronics & Communication Engineering	1986	--	Electronics and Communication Engineering
8	Engineering & Technology	PG	Energy Engineering	2020	--	Mechanical Engineering

9	Engineering & Technology	PG	Geotechnical & Geoenvironmental Energy	2022	--	Civil Engineering
10	Engineering & Technology	PG	Internet of Things (IOT)	2025	--	Electronics and Communication Engineering
11	Engineering & Technology	UG	Mechanical Engineering	1986	--	Mechanical Engineering
12	Engineering & Technology	PG	Power Electronics & Drives	2011	--	Electrical and Electronics Engineering
13	Engineering & Technology	PG	Power Systems	2019	--	Electrical and Electronics Engineering
14	Engineering & Technology	PG	Signal Processing and Embedded Systems	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
Civil Engineering	No	Civil Engineering	UG
Computer Science and Engineering	No	Computer Science and Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG
Mechanical Engineering	No	Mechanical 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	PROGRAM DURATION
1	Electronics & Communication Engineering	UG	1986 / --	40	Yes	2000	90	2000	F.No:770-54-207/RC/94 dated 09.11.2000	Granted accreditation for 3 years for the period (specify period)	2023	2026	3	4

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 :	SAJESH KUMAR U
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)	90	90	90	90	90	90	90
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	90	89	91	88	87	90	88
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	9	9	12	11	11	13
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	11	14	12	13	8	8	1
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	101	112	112	113	106	109	102

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)	90	90	11	112.22
2024-25 (CAYm1)	90	89	14	114.44
2023-24 (CAYm2)	90	91	12	114.44

Average [(ER1 + ER2 + ER3) / 3] = 113.70≅ 100

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).	106.00	109.00	103.00
B=No. of students who graduated from the program in the stipulated course duration	86.00	87.00	81.00
Success Rate (SR)= (B/A) * 100	81.13	79.82	78.64

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 79.86

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)	8.31	8.26	8.21
Y=Total no. of successful students	93.00	94.00	89.00
Z=Total no. of students appeared in the examination	103.00	103.00	101.00
API [X*(Y/Z)]	7.50	7.54	7.23

Average API [(AP1+AP2+AP3)/3] : 7.42

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 2nd year/10)	8.20	7.97	7.82
Y=Total no. of successful students	88.00	91.00	89.00
Z=Total no. of students appeared in the examination	103.00	101.00	98.00
API [X * (Y/Z)]	7.01	7.18	7.10

Average API [(AP1 + AP2 + AP3)/3] : 7.10

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)	7.86	7.79	7.76
Y=Total no. of successful students	88.00	87.00	89.00
Z=Total no. of students appeared in the examination	91.00	89.00	92.00
API [X*(Y/Z)]:	7.60	7.61	7.51

Average API [(AP1 + AP2 + AP3)/3] : 7.57

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	101.00	101.00	103.00
X=No. of students placed	27.00	53.00	61.00
Y=No. of students admitted to higher studies	11.00	14.00	7.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	37.62	66.34	66.02

Average Placement Index = (P_1 + P_2 + P_3)/3: 56.66 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	SAJITH K	XXXXXXX37R	Ph.D	IIT BOMBAY	HAPTICS	01/08/2017	8.5	Professor	Professor	01/08/2017	Regular	Yes		No
2	NISHIL KUMAR P P	XXXXXXX60B	M.Tech	NIT CALICUT	TELECOMMUNICATIONS	02/03/2005	20.10	Lecturer	Associate Professor	02/03/2019	Regular	Yes		No
3	LASEENA C A	XXXXXXX33M	M.Tech	VTU BELGAUM	INDUSTRIAL ELECTRONICS	31/03/2008	16.3	Lecturer	Associate Professor	31/03/2022	Regular	No	04/07/2024	No
4	LASEENA C A	XXXXXXX33M	M.Tech	VTU BELGAUM	INDUSTRIAL ELECTRONICS	11/08/2025	0.5	Associate Professor	Associate Professor	11/08/2025	Regular	Yes		No
5	RANJITH RAM	XXXXXXX13C	Ph.D	IIT BOMBAY	IMAGE PROCESSING AND COMPUTER VISION	09/07/2001	24.6	Lecturer	Professor	24/12/2014	Regular	Yes		No
6	BUSHRA ABDULLA N T	XXXXXXX47R	M.Tech	APJAKTU	SIGNAL PROCESSING AND EMBEDDED SYSTEMS	08/09/2025	0.4	Assistant Professor	Assistant Professor		Contractual Fulltime	No	16/01/2026	No
7	SHANTHINI K S	XXXXXXX53F	Ph.D	NIT CALICUT	IMAGE PROCESSING	07/09/2024	0.11	Associate Professor	Associate Professor	07/09/2024	Regular	No	18/08/2025	No
8	V VINOD KUMAR	XXXXXXX76C	Ph.D	ANNA UNIVERSITY CHENNAI	WIRELESS COMMUNICATION	30/01/2003	22.11	Lecturer	Professor	30/01/2019	Regular	Yes		No
9	SAJESH KUMAR U	XXXXXXX08Q	Ph.D	IIT BOMBAY	NANOELECTRONICS	09/06/2005	20.7	Lecturer	Professor	31/12/2019	Regular	Yes		Yes
10	ABDUL SUKKOOR MUNDONE	XXXXXXX74K	B.Tech	KANNUR UNIVERSITY	ELECTRONICS AND COMMUNICATION	30/12/2020	5	Assistant Professor	Assistant Professor		Regular	Yes		No
11	SREEJITH S	XXXXXXX93L	M.Tech	NIT SURATKAL	VLSI DESIGN	03/09/2022	1.11	Assistant Professor	Assistant Professor		Regular	No	31/08/2024	No
12	SHEEBA K	XXXXXXX63A	M.Tech	NIT CALICUT	EMBEDDED SYSTEMS	04/02/2016	9.11	Assistant Professor	Assistant Professor		Regular	Yes		No
13	RAMANAND A C	XXXXXXX69E	M.Tech	UNIVERSITY OF CALICUT	ELECTRONICS DESIGN TECHNOLOGY	26/07/2019	5	Assistant Professor	Assistant Professor		Regular	No	30/07/2024	No
14	HAREESH K	XXXXXXX64L	M.Tech	NIT ROURKELA	COMMUNICATION AND SIGNAL PROCESSING	22/07/2019	5	Assistant Professor	Assistant Professor		Regular	No	31/07/2024	No

15	AJITH K K	XXXXXXX52Q	Ph.D	IIT KHARAGPUR	RF & MICROWAVE ENGINEERING	29/07/2019	6.5	Assistant Professor	Assistant Professor		Regular	Yes		No
16	BINOY K P	XXXXXXX77C	M.Tech	UNIVERSITY OF CALICUT	COMMUNICATION ENGINEERING AND SIGNAL PROCESSING	22/07/2019	4.1	Assistant Professor	Assistant Professor		Regular	No	01/09/2023	No
17	SAJEEV K JOSE	XXXXXXX19N	M.Tech	KANNUR UNIVERSITY	COMMUNICATION AND SIGNAL PROCESSING	22/07/2019	5	Assistant Professor	Assistant Professor		Regular	No	31/07/2024	No
18	CHINCHU A	XXXXXXX72E	M.Tech	CUSAT	SIGNAL PROCESSING	12/02/2020	4.6	Assistant Professor	Assistant Professor		Regular	No	17/08/2024	No
19	SAJITH K	XXXXXXX69J	Ph.D	PONDICHERRY UNIVERSITY	ANTENNA	01/09/2023	2.4	Assistant Professor	Assistant Professor		Regular	Yes		No
20	ARJUN PRABHUDAS	XXXXXXX17M	M.Tech	AMRITHA VISHWA VIDYAPEETHAM	VLSI DESIGN	24/07/2020	5	Assistant Professor	Assistant Professor		Regular	No	31/07/2025	No
21	ROHIT P	XXXXXXX67E	M.Tech	UNIVERSITY OF CALICUT	COMMUNICATION AND SIGNAL PROCESSING	19/01/2022	3.11	Assistant Professor	Assistant Professor		Regular	Yes		No
22	INDU C	XXXXXXX45L	M.Tech	KERALA UNIVERSITY	MICROWAVE AND TV ENGINEERING	19/01/2022	3.6	Assistant Professor	Assistant Professor		Regular	No	25/07/2025	No
23	SRUTHY S	XXXXXXX65J	M.Tech	NIT CALICUT	ELECTRONICS DESIGN AND TECHNOLOGY	23/07/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
24	NEEMA RAJ C	XXXXXXX85E	M.Tech	KTU	COMMUNICATION ENGINEERING AND SIGNAL PROCESSING	18/07/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
25	RINJU RAVINDRAN	XXXXXXX02M	M.Tech	KANNUR UNIVERSITY	COMMUNICATION ENGINEERING AND SIGNAL PROCESSING	27/07/2023	1.8	Assistant Professor	Assistant Professor		Contractual Fulltime	No	11/04/2025	No
26	ANUSHA P	XXXXXXX18C	M.Tech	UNIVERSITY OF CALICUT	SIGNAL PROCESSING	16/08/2024	0.9	Assistant Professor	Assistant Professor		Contractual Fulltime	No	31/05/2025	No
27	HISANA C H	XXXXXXX74G	M.Tech	KTU	SIGNAL PROCESSING	01/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
28	MEGHA DIVAKARAN	XXXXXXX73H	M.Tech	KANNUR UNIVERSITY	DIGITAL ELECTRONICS	01/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
29	DRISSYA K	XXXXXXX35F	M.Tech	KTU	SIGNAL PROCESSING AND EMBEDDED SYSTEMS	19/08/2024	1.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
30	SHILPA K	XXXXXXX26A	M.Tech	KTU	MICRO AND NANO ELECTRONICS	20/12/2024	1	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
31	SIRAJ M	XXXXXXX66P	M.Tech	KTU	COMMUNICATION AND SIGNAL PROCESSING	18/09/2023	2.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
32	THRISHNA S	XXXXXXX63E	M.Tech	KTU	COMMUNICATION ENGINEERING AND SIGNAL PROCESSING	10/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No

33	RAHILA K C	XXXXXXX32G	M.Tech	KTU	SIGNAL PROCESSING AND EMBEDDED SYSTEMS	01/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
34	SANDRA SUGATHAN	XXXXXXX48C	M.Tech	KTU	MICRO AND NANO ELECTRONICS	01/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
35	VINOD B R	XXXXXXX57F	Ph.D	UNIVERSITY OF KERALA	POWER ELECTRONICS AND DRIVE	27/08/2024	0.9	Professor	Professor	27/08/2024	Regular	No	12/06/2025	No
36	APARNA NAIR M K	XXXXXXX43M	M.E.	ANNA UNIVERSITY	VLSI DESIGN	29/06/2024	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
37	VIJITHA V J	XXXXXXX20B	M.Tech	VNIT NAGPUR	VLSI DESIGN	17/07/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
38	SWATHI K	XXXXXXX32J	M.Tech	KTU	COMMUNICATION ENGINEERING AND SIGNAL PROCESSING	30/08/2022	2.2	Assistant Professor	Assistant Professor		Contractual Fulltime	No	20/11/2024	No
39	POOJA P P	XXXXXXX31J	M.Tech	KTU	MICRO AND NANO ELECTRONICS	23/01/2023	1.5	Assistant Professor	Assistant Professor		Contractual Fulltime	No	18/07/2024	No
40	ASHITHA R K	XXXXXXX55C	M.Tech	KANNUR UNIVERSITY	DIGITAL ELECTRONICS	24/08/2023	1.9	Assistant Professor	Assistant Professor		Contractual Fulltime	No	17/06/2025	No
41	DEEPA P P	XXXXXXX91D	M.E.	ANNA UNIVERSITY	APPLIED ELECTRONICS	17/07/2024	1.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		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 Department2

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	99	99	99
UG1.C	99	99	99

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.D	99	99	99
UG1: Electronics & Communication Engineering	297	297	297
PG1.A	18	0	0
PG1.B	0	0	0
PG1: Internet of Things (IOT)	18	0	0
PG2.A	18	18	18
PG2.B	18	18	18
PG2: Signal Processing and Embedded Systems	36	36	36
DS=Total no. of students in all UG and PG programs in the Department	351	333	333
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= 351	S2= 333	S3= 333
DF=Total no. of faculty members in the Department	23	18	20
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= 23	F2= 18	F3= 20
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 15.26	SFR2= 18.50	SFR3= 16.65
Average SFR for 3 years	SFR= 16.80		

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)	6	17	17.00	18.82
2024-25(CAYm1)	7	11	16.00	17.81
2023-24(CAYm2)	5	15	16.00	17.19

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	4.00	3.00	0.00	11.00	10.00
2024-25	1.00	5.00	3.00	0.00	11.00	8.00
2023-24	1.00	4.00	3.00	0.00	11.00	12.00
Average	RF1=1.00	AF1=4.33	RF2=3.00	AF2=0.00	RF2=11.00	AF2=10.00

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)

(CAYm2)

(CAYm3)

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	1	1	1
2	No. of peer reviewed conference papers published	5	8	8
3	No. of books/book chapters published	0	0	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
Dr. Sajesh Kumar U		ECE	STRAY CARE-ADVANCED BELT FOR STRAY DOG TRACKING	CERD	1 year	0.30
						Amount received (Rs.):0.30

(CAYm2)

(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. A Ranjith Ram		ECE	Real time disease detection in cardamom plant leaves	CERD	1 year	0.22
						Amount received (Rs.):0.22

Total Amount (Lacs) Received for the Past 3 Years: 0.52

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. Sajesh Kumar U	Dr. V Vinod Kumar	ECE	HARDWARE SECURITY MODEL IMPLEMENTATION BASED ON POST QUANTUM CRYPTOGRAPHY	VEDAYAJ INNOVATIONS	3 years	3.00
						Amount received (Rs.):3.00

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years: 3.00

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)

(CAYm2)

(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. Sajesh Kumar U	SOIL NUTRIENTS AND POLLUTION MONITORING FOR EFFICIENT RESOURCE UTILIZATION AND HEALTHY ENVIRONMENT	2 years	2.00	2.00	Prototype
			Amount received (Rs.): 2.00		

Total amount (Lacs) received for the past 3 years : 2.00

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

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

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

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Electronics Workshop	4	DSO,Function Geneator,multimeter,Regulated power supply,rework station	16 hours	1. Raghu K V 2. Namitha	1. Instructor Grade 1 2. In.	1. Diploma, B-Tech 2. B-Ti
2	Electronic Circuits lab	3	DSO, Function Generator Multimeter,DC Regulated Power Supply, IC Tester	12 hours	1. Jai John K 2. Thares h	1. Instructor Grade 2 2. Tr	1. B-Tech 2. KGCE (MRT)
3	Digital Electronics Lab	3	Digital IC Trainer Kit Digital IC Tester Digital Storage Oscilloscope Digial Multimeter DC Regulated Variable	12 hours	1. Chandran P V 2. Abhila	1. Trade Instructor 2. Trad	1. NTC(MRTV) 2. ITI
4	Communication system lab	4	computer ,klystron bench ,vswr meter, VNA ,optical fibre kit	12 hours	1. Sajeera C P 2. Nijil Mar	1. Tradesman 2. Tradesm	1. B-Tech, M-Tech 2. B-Te
5	Simulation and Computation Lab	1	Computer	12 hours	1. Bindu K 2. Shini Jagde	1. Trade Instructor 2. Trad	1. Diploma, B-Tech 2. Dip
6	Communication engineering lab	3	DSO, Function Generator,Regulated power supply,Multimeter	12 hours	1. Nijil Manoharan 2. Saje	1. Tradesman 2. Tradesm	1. B-Tech 2. B-Tech, M-Te
7	Microprocessor and Microcontroller Lab	1	computer, microcontroller kit, Interfacing cards,DSO	12 hours	1. Sindhu C 2. Reshma E	1. Trade Instructor 2. Trad	1. Diploma, B-Tech 2. Dip
8	Advanced Communication and Signal Processing Lab	1	DSP Starter Kit(Floating- TMS 320 C 6713 with CLS Floating point6 Nos.+Fixed-5 Nos.), Beagle Board(OMAP 3530 Based DVFS Compatible) 2 Nos.	15 hours	1. Shihabuddeen K R 2. V	1. Trade Instructor 2. Trac	1. ITI 2. B-Tech, M-Tech
9	VLSI and Embedded System LAB	1	Computer System(37 Nos.), Logic State Analyser(1 No.), DSO(1Nos.),FPGA Kits(5)	18 hours	1. Samresh M K	1. Trade Instructor	1. Diploma

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Electronics Workshop	1. Students are briefed about the principle of 'Safety First' on the commencement day of the lab course. They are given general guidelines about how to avoid electric shock hazard, hazard with capacitors etc. 2. Students are exhorted about the importance of wearing proper dress and shoes. 3. All power cords and connectors are inspected regularly for insulation by technical staff. Use of extension cords is minimized. 4. ELCBs are installed in each lab. 5. Fire extinguishers are installed in the lab. 6. A first aid box is kept in each lab
2	Electronic Circuits Lab	1. Students are briefed about the principle of 'Safety First' on the commencement day of the lab course. They are given general guidelines about how to avoid electric shock hazard, hazard with capacitors etc. 2. Students are exhorted about the importance of wearing proper dress and shoes and they are insisted upon. 3. All power cords and connectors are inspected regularly for insulation by technical staff. Use of extension cords is minimized. 4. ELCBs are installed in each lab. 5. Fire extinguishers are installed in lab. 6. A first aid box is kept in each lab
3	Digital Electronics Lab	1. Students are trained in safe handling of digital ICs and devices. 2. Static electricity precautions (proper grounding/handling of ICs) are followed. 3. Power supply limits are strictly maintained to avoid damage to components. 4. All connections are checked before powering the circuit. 5. Regular inspection of cables and connectors is carried out. 6. Fire safety and first aid facilities are available.
4	Communication System Lab	1. Students are instructed on safe usage of signal generators, CROs, and RF/microwave equipment. 2. Proper grounding of all instruments is ensured before operation. 3. All connections are verified by the instructor before switching ON the equipment. 4. High-frequency and microwave equipment are handled carefully to avoid exposure risks. 5. Klystron safety measures: . Klystron power supply should be switched ON only after proper connections are verified. . Do not operate the klystron without proper load/termination to avoid damage. . Avoid direct exposure to microwave radiation; ensure waveguide connections are secure. . Do not touch the klystron setup while it is powered ON due to high voltage risks. . Allow sufficient cooling time before handling the klystron tube after operation. 6. Equipment is switched OFF after use to prevent overheating and damage. 7. ELCBs are installed for protection against electrical faults. 8. Fire extinguishers and a first aid box are available in the lab.
5	Simulation and Computation Lab	1. Students are briefed about the principle of "Safety First" at the commencement of the lab course. They are given general guidelines to avoid electrical hazards.. 2. Proper usage of computers, peripherals, and simulation software is explained before operation. 3. All power cords and connectors are inspected regularly for insulation by technical staff. Use of extension cords is minimized. 4. Students are exhorted about the importance of wearing proper dress and they are insisted upon. 5. Fire extinguishers are installed in lab. 6. Systems are properly shut down after use to prevent damage or data loss. 7. ELCBs are installed in each lab. 8. A first aid box is kept in each lab
6	Communication Engineering Lab	1. Students are briefed about the principle of 'Safety First' on the commencement day of the lab course. They are given general guidelines about how to avoid electric shock hazard, hazard with capacitors etc. 2. Students are exhorted about the importance of wearing proper dress and shoes and they are insisted upon. 3. All power cords and connectors are inspected regularly for insulation by technical staff. Use of extension cords is minimized. 4. ELCBs are installed in each lab. 5. Fire extinguishers are installed in lab. 6. A first aid box is kept in each lab
7	Microprocessor and Microcontroller Lab	1. Students are briefed about the principle of 'Safety First' on the commencement day of the lab course. They are given general guidelines about how to avoid electric shock hazard, hazard with capacitors etc. 2. Students are exhorted about the importance of wearing proper dress and shoes and they are insisted upon. 3. All power cords and connectors are inspected regularly for insulation by technical staff. Use of extension cords is minimized. 4. ELCBs are installed in each lab. 5. Fire extinguishers are installed in lab. 6. A first aid box is kept in each lab
8	Advanced Communication and Signal Processing Lab	1. Students are briefed about the principle of 'Safety First' on the commencement day of the lab course. They are given general guidelines about how to avoid electric shock hazard, hazard with capacitors etc. 2. Students are exhorted about the importance of wearing proper dress and shoes and they are insisted upon. 3. All power cords and connectors are inspected regularly for insulation by technical staff. Use of extension cords is minimized. 4. ELCBs are installed in each lab. 5. Fire extinguishers are installed in lab. 6. A first aid box is kept in each lab
9	VLSI and Embedded System Lab	1. Students are briefed about the principle of 'Safety First' on the commencement day of the lab course. They are given general guidelines about how to avoid electric shock hazard, hazard with capacitors etc. 2. Students are exhorted about the importance of wearing proper dress and shoes and they are insisted upon. 3. All power cords and connectors are inspected regularly for insulation by technical staff. Use of extension cords is minimized. 4. ELCBs are installed in each lab. 5. Fire extinguishers are installed in lab. 6. A first aid box is kept in each lab

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)	330	16	14	2	72
2024-25(CAYm1)	330	16	14	2	72
2025-26(CAY)	330	16	14	2	72

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	531936	531936	176855	176855	4934608	4934608	926098	926098
Library	0	0	8968	8968	622106	622106	818656	818656
Laboratory equipment	6440368	6440368	0	0	14957	14957	73401	73401
Teaching and non-teaching staff salary	309203474	309203474	276399291	276399291	261305631	261305631	291213769	291213769
Outreach Programs	0	0	309600	309600	300000	300000	360000	360000
R&D	768568	768568	3965030	3965030	4106047	4106047	1007434	1007434
Training, Placement and Industry linkage	0	0	393933	393933	66368	66368	235216	235216
SDGs	152139	152139	1330605	1330605	347706	347706	945862	945862
Entrepreneurship	0	0	75594	75594	0	0	14000	14000
Others, specify	5763502	5763502	471510	471510	5085141	5085141	2167949	2167949

Total	322859987	322859987	283131386	283131386	276782564	276782564	297762385	297762385
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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	756323	756323	78500	78500	316606	316606	340631	340631
Software	407407	407407	407407	407407	407407	407407	0	0
SDGs	0	0	0	0	142399	142399	13300	13300
Support for faculty development	0	0	0	0	0	0	0	0
R & D	0	0	17000	17000	0	0	0	0
Industrial Training, Industry expert, Internship	0	0	0	0	0	0	0	0
Miscellaneous Expenses*	14960	14960	5400	5400	103989	103989	59471	59471
Total	1178690	1178690	508307	508307	970401	970401	413402	413402