NATIONAL BOARD OF ACCREDITATION

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

Program Name : Computer Science and 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	Computer Science and Engineering	UG	2001 / --	30	Yes	2011	60	2011	F.No.South-west/1-451586641/2011/EOA Date:01-09-2011	Granted accreditation for 3 years for the period (specify period)	2023	2026	1	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 :	Rafeeque P C
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)	60	60	60	60	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	56	58	59	59	59	53	59
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	6	6	7	8	8	6
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	9	10	10	8	8	10	3
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	65	74	75	74	75	71	68

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)	60	56	9	108.33
2024-25 (CAYm1)	60	58	10	113.33
2023-24 (CAYm2)	60	59	10	115.00

Average [(ER1 + ER2 + ER3) / 3] = 112.22≡ 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).	75.00	71.00	68.00
B=No. of students who graduated from the program in the stipulated course duration	71.00	65.00	55.00
Success Rate (SR)= (B/A) * 100	94.67	91.55	80.88

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 89.03

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)	8.58	8.40	8.57
Y=Total no. of successful students	68.00	67.00	65.00
Z=Total no. of students appeared in the examination	68.00	69.00	67.00
API [X*(Y/Z)]	8.58	8.16	8.31

Average API[(AP1+AP2+AP3)/3] : 8.35

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)	8.44	8.17	7.79
Y=Total no. of successful students	65.00	72.00	72.00
Z=Total no. of students appeared in the examination	73.00	72.00	75.00
API [X * (Y/Z)]	7.52	8.17	7.48

Average API [(AP1 + AP2 + AP3)/3] : 7.72

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)	8.11	7.74	8.09
Y=Total no. of successful students	71.00	71.00	65.00
Z=Total no. of students appeared in the examination	72.00	72.00	65.00
API [X*(Y/Z)]:	8.00	7.63	8.09

Average API [(AP1 + AP2 + AP3)/3] : 7.91

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	71.00	68.00	66.00
X=No. of students placed	35.00	54.00	50.00
Y=No. of students admitted to higher studies	3.00	5.00	5.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	53.52	86.76	83.33

Average Placement Index = (P_1 + P_2 + P_3)/3: 74.54 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	Rafeeque P C	XXXXXXX18B	Ph.D	Anna University	Computer Science and Engineering	11/03/2019	6.10	Professor	Professor	11/03/2019	Regular	Yes		Yes
2	Bindu P V	XXXXXXX59C	Ph.D	NITK Surathkal	Computer Science and Engineering	23/06/2010	15.6	Assistant Professor	Professor	12/03/2018	Regular	Yes		No
3	Ajish Kumar K S	XXXXXXX47A	Ph.D	NIT Calicut	Computer Science and Engineering	09/09/2021	4.4	Associate Professor	Professor	09/06/2022	Regular	Yes		No
4	Nidheesh N	XXXXXXX16L	Ph.D	NIT Calicut	Computer Science and Engineering	03/09/2022	3.4	Associate Professor	Associate Professor	03/09/2022	Regular	Yes		No
5	Sajith B	XXXXXXX33D	M.E.	IISc Bangalore	Computer Science and Engineering	25/07/2011	14.5	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Soubhagya V N	XXXXXXX60D	M.Tech	Mahatma Gandhi University	Network Engineering	24/08/2023	2.4	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mridula T V	XXXXXXX57G	M.Tech	Cochin University of Science and Technology	Computer and Information Sciences	19/07/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Sakhi S Anand	XXXXXXX54A	M.Tech	IIT Madras	Computer Science and Engineering	11/03/2019	5.3	Assistant Professor	Assistant Professor		Regular	No	03/07/2024	No
9	Baburaj K V	XXXXXXX82R	M.Tech	NIT Calicut	Computer Science and Engineering	04/06/2013	11.9	Assistant Professor	Assistant Professor		Regular	No	15/03/2025	No
10	Dileep M R	XXXXXXX55N	M.Tech	NIT Calicut	Computer Science and Engineering	25/05/2019	5.2	Assistant Professor	Assistant Professor		Regular	No	17/08/2024	No

11	Asha O T	XXXXXXX40A	M.Tech	APJ Abdul Kalam Technological University	Information Security	02/09/2022	3.4	Assistant Professor	Assistant Professor		Contractual Fulltime	No	07/01/2026	No
12	Divya K	XXXXXXX16M	M.Tech	Kannur University	Networks and Security	23/08/2023	2.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
13	Aelekha Souparnika	XXXXXXX12F	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Information Security	01/08/2023	2.5	Assistant Professor	Assistant Professor		Contractual Fulltime	No	12/01/2026	No
14	Nayana P Bhaskar	XXXXXXX46N	M.Tech	Calicut University	Computer Science and Engineering	15/07/2024	1.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
15	Sahana K I	XXXXXXX03M	M.Tech	Mahatma Gandhi University	Network Engineering	23/09/2024	1.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
16	Shimna M S	XXXXXXX17C	M.Tech	Calicut University	Computer Science and Engineering	19/07/2023	0.11	Assistant Professor	Assistant Professor		Contractual Fulltime	No	28/06/2024	No
17	Sneha M	XXXXXXX59H	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	20/08/2024	1.3	Assistant Professor	Assistant Professor		Contractual Fulltime	No	02/12/2025	No
18	Aswathi Radhakrishnan K M	XXXXXXX64N	M.Tech	APJ Abdul Kalam Technological University	Networks and Security	23/09/2024	1.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
19	Anjitha K	XXXXXXX80D	M.Tech	APJ Abdul Kalam Technological University	Networks and Security	01/09/2023	0.3	Assistant Professor	Assistant Professor		Contractual Fulltime	No	22/12/2023	No
20	Thafzy V M	XXXXXXX50H	M.Tech	APJ Abdul Kalam Technological University	Networks and Security	18/08/2025	0.3	Assistant Professor	Assistant Professor		Contractual Fulltime	No	02/12/2025	No
21	Rajeev K K	XXXXXXX70C	M.E.	IISc Bangalore	Computer Science and Engineering	15/06/2015	8.2	Assistant Professor	Assistant Professor		Regular	No	16/08/2023	No
22	Asjad Nabeel	XXXXXXX99L	M.Tech	Cochin University of Science and Technology	Computer and Information Science	03/10/2019	3.10	Assistant Professor	Assistant Professor		Regular	No	16/08/2023	No
23	Amrithasree Haridas	XXXXXXX32H	M.Tech	APJ Abdul Kalam Technological University	Information Security	15/03/2025	0.10	Assistant Professor	Assistant Professor		Regular	Yes		No

24	Baby C J	XXXXXXX02N	M.Tech	Cochin University of Science and Technology	Computer and Information Science	03/10/2019	3.11	Assistant Professor	Assistant Professor		Regular	No	06/08/2023	No
25	Bincy Antony M	XXXXXXX01J	M.Tech	Amrita Vishwa Vidyapeetham	Computer Vision and Image Processing	03/10/2019	3.9	Assistant Professor	Assistant Professor		Regular	No	10/07/2023	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	66	66	66
UG1.C	66	66	66
UG1.D	66	66	66
UG1: Computer Science and Engineering	**198**	**198**	**198**
PG1.A	18	6	0
PG1.B	6	0	0
PG1: Artificial Intelligence and Data Science	**24**	**6**	**0**
DS=Total no. of students in all UG and PG programs in the Department	222	204	198
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=** 222	**S2=** 204	**S3=** 198
DF=Total no. of faculty members in the Department	12	11	13
AF= Total no. of faculty members in the allied Departments	0	0	0

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 12	**F2=** 11	**F3=** 13
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= 18.50**	**SFR2= 18.55**	**SFR3= 15.23**
Average SFR for 3 years	**SFR= 17.43**		

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)	4	8	11.00	16.36
2024-25(CAYm1)	4	7	10.00	17.00
2023-24(CAYm2)	4	9	9.00	21.11

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	3.00	2.00	1.00	7.00	4.00
2024-25	1.00	3.00	2.00	1.00	6.00	2.00
2023-24	1.00	3.00	2.00	1.00	6.00	5.00
Average	RF1=1.00	AF1=3.00	RF2=2.00	AF2=1.00	RF2=6.33	AF2=3.67

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)

(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	2	0	1
2	No. of peer reviewed conference papers published	1	0	1
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)

(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
Rafeeque P C, Bineesh K B		Kannur Municipal Corporation	CCTV Surveillance System	Kannur Municipal Corporation	1 Year	195.00
Rafeeque P C, Bineesh K B		Kannur District Panchayath	Smart Eye Project	Kannur District Panchayath	1 Year	7.13
						Amount received (Rs.):202.13

Total amount (Lacs) received for the past 3 years: 202.13

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)

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

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	Programming Paradigm Lab	36	36 Desktop PCs	20 Hours	Gopakumar P	Instructor Grade II	Diploma in Computer Eng
2	Network and Information Security Lab	36	36 Desktop PCs, 1 Dell Poweredge R-910 Server	20 Hours	Pavithran Illathu Veedu	Tradesman	COPA
3	Hardware Lab	36	Micro Processor Training Kit, Stepper Motor, Study card, Digital IC Trainer, Printer, PCIX	20 Hours	Siyad A.V	Tradesman	COPA, Diploma in Engine
4	Systems Lab	64	Intel i5 based Desktop PCs, Smart TV, Audio Systems	20 Hours	Pradeep Kumar O C	Tradesman	COPA, Diploma in Engine
5	Central Computing Facility Lab	72	60 Desktop PCs, Central Printing Facilities	40 Hours	Sivadasan P	Computer Programmer	B.Tech Computer Science

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Programming Paradigm Lab	The laboratory is equipped with standard safety measures including ELCB (Earth Leakage Circuit Breaker) protection and proper earthing of all electrical installations. Fire extinguishers are installed in the laboratory and are regularly inspected to ensure readiness in case of fire-related emergencies. A well-maintained first aid box is available within the laboratory to handle minor injuries. Students are required to follow dress code compliance, and access is restricted to authorized users only. The lab ensures safe operation of computing systems with proper cable management and regulated usage of terminals.
2	Network and Information Security Lab	The laboratory is equipped with standard safety measures including ELCB protection and proper earthing of all electrical installations. Fire extinguishers are installed in the laboratory and are regularly inspected to ensure readiness in case of fire-related emergencies. A first aid facility is available within the laboratory premises for emergency use. Students follow dress code compliance, and access is restricted to authorized users only. Additional precautions are taken for safe handling of networking devices, structured cabling, and secure configuration of network equipment.

3	Hardware Lab	The laboratory is equipped with standard safety measures including ELCB protection and proper earthing of all electrical installations. Fire extinguishers are installed in the laboratory and are regularly inspected to ensure readiness in case of fire-related emergencies. A dedicated first aid box is available in the laboratory to address minor injuries. Students follow dress code compliance, and access is restricted to authorized users only. Special care is taken for safe handling of hardware components, including anti-static precautions and proper use of electrical equipment.
4	Systems Lab	The laboratory is equipped with standard safety measures including ELCB protection and proper earthing of all electrical installations. Fire extinguishers are installed in the laboratory and are regularly inspected to ensure readiness in case of fire-related emergencies. A first aid facility is available within the lab for immediate response to minor incidents. Students follow dress code compliance, and access is restricted to authorized users only. The lab ensures safe operation of system-level software and controlled usage of computing resources.
5	Central Computing Facoility	The facility is equipped with standard safety measures including ELCB protection and proper earthing of all electrical installations. Fire extinguishers are installed in the facility and are regularly inspected to ensure readiness in case of fire-related emergencies. A well-maintained first aid box is available within the facility for emergency situations. Access is restricted to authorized personnel to ensure security and prevent unauthorized usage. Additional precautions include structured cable management, continuous monitoring of network equipment, and safe operation of servers and networking devices to ensure uninterrupted and secure internet services across the campus.
6	Project Lab	The laboratory is equipped with standard safety measures including ELCB protection and proper earthing of all electrical installations. Fire extinguishers are installed in the laboratory and are regularly inspected to ensure readiness in case of fire-related emergencies. A first aid facility is available in the laboratory to handle minor injuries during project work. Students follow dress code compliance, and access is restricted to authorized users only. The lab supports safe execution of student projects with proper supervision and adherence to safety practices during development and testing.
7	Research Lab	The laboratory is equipped with standard safety measures including ELCB protection and proper earthing of all electrical installations. Fire extinguishers are installed in the laboratory and are regularly inspected to ensure readiness in case of fire-related emergencies. A first aid box is available within the laboratory for immediate medical assistance. Access is restricted to authorized users, and safety protocols are strictly enforced. The lab ensures safe handling of advanced computing resources and research equipment with controlled access and monitoring.
8	Skill Development Platform Kerala Lab	The laboratory is equipped with standard safety measures including ELCB (Earth Leakage Circuit Breaker) protection and proper earthing of all electrical installations. Fire extinguishers are installed in the laboratory and are regularly inspected to ensure readiness in case of fire-related emergencies. A well-maintained first aid box is available within the laboratory to handle minor injuries. Students are required to follow dress code compliance, and access is restricted to authorized users only. Additional precautions include safe operation of computing devices, proper cable management, and regulated usage of laptops and equipment during training sessions and skill development programs.
9	Mini Data Centre	The facility is equipped with standard safety measures including ELCB protection and proper earthing of all electrical installations. Fire extinguishers are installed in the facility and are regularly inspected to ensure readiness in case of fire-related emergencies. A well-maintained first aid box is available within the facility for emergency situations. Access is strictly restricted to authorized personnel to ensure security and prevent unauthorized handling of critical infrastructure. Additional precautions include continuous monitoring of servers and networking devices, structured cabling, controlled environment for equipment operation, and adherence to safety protocols for handling high-value and sensitive computing resources.

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)	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**

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	150000	150000	1909693	1909693	1190590	1190590	717401	717401

Software	407407	407407	407407	407407	407407	407407	0	0
SDGs	0	0	0	0	0	0	0	0
Support for faculty development	0	0	0	0	0	0	0	0
R & D	0	0	0	0	0	0	0	0
Industrial Training, Industry expert, Internship	0	0	22349	22349	0	0	9000	9000
Miscellaneous Expenses*	0	0	0	0	0	0	0	0
Total	**557407**	**557407**	**2339449**	**2339449**	**1597997**	**1597997**	**726401**	**726401**