

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 : 11439	Date of Submission : 05-01-2026

PART A- Profile of the Institute

A1.Name of the Institute : MARIAN ENGINEERING COLLEGE	
Year of Establishment : 2001	Location of the Institute: MENAMKULAM, KAZHAKUTTOM, TRIVANDRUM
A2. Institute Address :MARIAN ENGINEERING COLLEGE MENAMKULAM, KAZHAKUTTOM, TRIVANDRUM	
City:Trivandrum	State:Kerala
Pin Code:695582	Website:marian.ac.in
Email:mecaccreditation@gmail.com	Phone No(with STD Code):-
A3. Name and Address of the Affiliating University (if any):	
Name of the University : UNIVERSITY OF KERALA	City: Thiruvananthapuram
State : Kerala	Pin Code: 695017
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: 7
- 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 Machine Learning	2022	--	Computer Science and Engineering
2	Engineering & Technology	UG	Civil Engineering	2006	--	Civil Engineering
3	Engineering & Technology	UG	Computer Science and Engineering	2001	--	Computer Science and Engineering
4	Engineering & Technology	UG	Electrical and Electronics Engineering	2013	--	Electrical and Electronics Engineering
5	Engineering & Technology	UG	Electronics & Communication Engineering	2001	--	Electronics and Communication Engineering
6	Engineering & Technology	UG	Electronics & Computer Engineering	2022	--	Electronics and Communication Engineering
7	Engineering & Technology	PG	Geotechnical Engineering	2013	--	Civil Engineering
8	Engineering & Technology	UG	Mechanical Engineering	2004	--	Mechanical Engineering
9	Management	PG	Master of Business Administration	2024	--	Management

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	No	Computer Science and 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 / --	60	Yes	2024	180	2024	F.No. SouthWest/1-43660706042/2024/EOA	Granted accreditation for 6 years for the period (specify period)	01/06/2019	30/06/2025	1	4

Sanctioned Intake for Last Five Years for the Computer Science and Engineering	
Academic Year	Sanctioned Intake
2025-26	180
2024-25	180
2023-24	120
2022-23	120
2021-22	120
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.Shreelekshmi R
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)	180	180	120	120	120	120	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	179	177	117	118	120	120	85
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	0	0	0	1	1	0
N3=Separate division if any	0	1	0	0	0	0	1
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	8	9	6	5	6	6	5
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	187	187	123	123	127	127	91

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)	180	179	8	103.89
2024-25 (CAYm1)	180	177	9	103.33
2023-24 (CAYm2)	120	117	6	102.50

Average [(ER1 + ER2 + ER3) / 3] = 103.24 \approx 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).	121.00	121.00	90.00
B=No. of students who graduated from the program in the stipulated course duration	93.00	75.00	60.00
Success Rate (SR)= (B/A) * 100	76.86	61.98	66.67

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 68.50

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)	7.96	7.57	7.88
Y=Total no. of successful students	117.00	94.00	100.00
Z=Total no. of students appeared in the examination	186.00	122.00	122.00
API [X*(Y/Z)]	5.01	5.83	6.46

Average API[(AP1+AP2+AP3)/3] : 5.77

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

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

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	7.93	7.73	7.53
Y=Total no. of successful students	91.00	96.00	97.00
Z=Total no. of students appeared in the examination	94.00	105.00	106.00
API [X * (Y/Z)]	7.68	7.07	6.89

Average API [(AP1 + AP2 + AP3)/3] : 7.21

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)	7.69	7.50	7.43
Y=Total no. of successful students	88.00	96.00	77.00
Z=Total no. of students appeared in the examination	96.00	97.00	89.00
API [X*(Y/Z)]:	7.05	7.42	6.43

Average API [(AP1 + AP2 + AP3)/3] : 6.97

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	121.00	121.00	90.00
X=No. of students placed	72.00	73.00	41.00
Y=No. of students admitted to higher studies	7.00	6.00	11.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$:	65.29	65.29	57.78

Average Placement Index = $(P_1 + P_2 + P_3)/3$: 62.79 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?
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1	Ms Nitha L Rozario	XXXXXXXX85J	M.Tech	CUSAT	Software Engineering	28/08/2006	19.4	Lecturer	Assistant Professor		Regular	Yes		No
2	Ms Nisha J R	XXXXXXXX84K	M.E.	Anna University	Computer Science & Engineering	19/01/2009	16.11	Lecturer	Assistant Professor		Regular	Yes		No
3	Dr.Anusha B	XXXXXXXX81G	Ph.D	Anna University	Information Science & Technology	18/03/2024	1.9	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Ms Sunitha S	XXXXXXXX27K	M.Tech	University of Kerala	Digital Image Computing	03/01/2005	21	Lecturer	Assistant Professor		Regular	Yes		No
5	Dr. Mercelin Francis	XXXXXXXX06N	Ph.D	Anna University	Computer & Information Technology	01/09/2005	20.4	Lecturer	Associate Professor	01/07/2024	Regular	Yes		No
6	Ms.Keerthi Krishnan	XXXXXXXX34M	M.E.	Anna University	Computer Science & Engineering	01/07/2004	21.6	Lecturer	Associate Professor	01/10/2010	Regular	Yes		No
7	Dr.Shreelekshmi R	XXXXXXXX13L	Ph.D	University of Kerala	Computer Science & Engineering	01/06/2024	1.7	Professor	Professor	01/06/2024	Regular	Yes		Yes
8	Prof. Balu John	XXXXXXXX40R	M.E.	IISc Bagalore	Computer Science & Engineering	01/04/2024	1.9	Professor	Professor	01/04/2024	Regular	Yes		No
9	Dr. Sheeja Agustin A	XXXXXXXX36A	Ph.D	Noorul Islam University	Computer Science & Engineering	27/09/2004	21.3	Lecturer	Professor	01/07/2022	Regular	Yes		No
10	Prof. Swapna H	XXXXXXXX74N	M.Tech	University of Kerala	Computer Science & Engineering	28/08/2006	19.4	Lecturer	Assistant Professor		Regular	Yes		No
11	Ms Dhanya L	XXXXXXXX18F	M.E.	Anna University	Computer Science & Engineering	12/09/2022	3.3	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Ms.Harsha T	XXXXXXXX54D	M.Tech	University of Kerala	Computer Science & Engineering	09/08/2023	2.4	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Ms.Binsi P	XXXXXXXX07B	M.E.	Anna University	Computer Science & Engineering	14/08/2023	2.4	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Ms Aiswarya I P	XXXXXXXX93K	M.Tech	Kerala Technological University	Computer Science & Engineering	14/08/2023	2.4	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Ms.Mary Lisa Leenuse	XXXXXXXX22D	M.Tech	Kerala Technological University	Information Security	29/01/2024	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Ms. Aswathy G S	XXXXXXXX00K	M.Tech	University of Kerala	Computer Science & Engineering	17/07/2024	1.5	Assistant Professor	Assistant Professor		Regular	Yes		No

17	Ms.Sreekutty S Vinod	XXXXXXXX41B	M.Tech	Kerala Technological University	Computer Science & Engineering	16/12/2024	1	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Ms. Aswathi P V	XXXXXXXX44F	M.Tech	University of Kerala	Digital Image Computing	09/12/2024	1	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Ms.Renetha J B	XXXXXXXX49D	M.Tech	CUSAT	Computer & Information Science	31/12/2024	1	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Ms. Rashmi M K	XXXXXXXX34L	M.Tech	Kerala Technological University	Computer Science and Information Security	01/01/2025	0.11	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Revathi B R	XXXXXXXX39J	M.Tech	Kerala Technological University	Computer Science & Engineering	06/01/2025	0.11	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Shakhy P S	XXXXXXXX94B	M.Tech	University of Kerala	Computer Science & Engineering	21/01/2025	0.11	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
23	Vijaya Lekshmi S.V	XXXXXXXX14C	M.E.	Anna University	Computer Science & Engineering	01/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
24	Rojitha Abdulla	XXXXXXXX05D	M.Tech	University of Kerala	Computer Science & Engineering	02/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
25	Diphonsa Uvans	XXXXXXXX21K	M.E.	Anna University	Computer Science & Engineering	01/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
26	Dr.Sindhu Chandra Sekharan	XXXXXXXX44K	Ph.D	SRM Institute of Science and Technology	Computer Science & Engineering	01/07/2025	0.6	Associate Professor	Associate Professor	01/07/2025	Regular	Yes		No
27	Dr.Neethi A S	XXXXXXXX51G	Ph.D	NIT Suratkal	Computer Science & Engineering	01/07/2025	0.4	Assistant Professor	Assistant Professor		Contractual Fulltime	No	31/10/2025	No
28	Arun Betty A S	XXXXXXXX57J	M.E.	Anna University	Computer Science & Engineering	01/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
29	Dr. Aswathy SU	XXXXXXXX12C	Ph.D	Noorul Islam University	Image Processing	15/10/2022	3.2	Professor	Professor	15/10/2022	Regular	Yes		No
30	Aswathy T K	XXXXXXXX99C	M.Tech	CUSAT	Software Engineering	15/11/2021	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
31	Nisha Soman	XXXXXXXX36A	M.E.	Anna University	Computer Science & Engineering	07/04/2023	2.8	Assistant Professor	Assistant Professor		Regular	Yes		No

32	Aswathy A L	XXXXXXXX29D	M.E.	Anna University	Computer Science & Engineering	07/08/2024	1.4	Assistant Professor	Assistant Professor		Regular	Yes		No
33	Neethu Akkarapatty	XXXXXXXX12G	M.Tech	M G University	Computer Science & Engineering	06/01/2025	0.11	Assistant Professor	Assistant Professor		Regular	Yes		No
34	Veena Ramachandran L	XXXXXXXX65K	M.Tech	CUSAT	Computer Science & Engineering	01/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
35	Karthika Surendran	XXXXXXXX71R	M.Tech	University of Kerala	Computer Science & Engineering	03/07/2025	0.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
36	Diana Walts	XXXXXXXX56Q	M.E.	Anna University	Computer Science & Engineering	01/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
37	Jithin Aniyankunju	XXXXXXXX49F	M.Tech	Kerala Technological University	Computer Science & Engineering	24/09/2025	0.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
38	Nishley Elizabeth Joseph	XXXXXXXX14K	M.E.	Karunya University	Computer Science & Engineering	01/12/2025	0	Lecturer	Assistant Professor		Regular	Yes		No
39	Bhagya Lekshmi H R	XXXXXXXX36L	M.Tech	Kerala Technological University	Computer Science & Engineering	01/12/2025	0	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
40	Nora Jobai	XXXXXXXX29E	M.Tech	University of Kerala	Computer Science & Engineering	17/07/2024	0.7	Assistant Professor	Assistant Professor		Contractual Fulltime	No	21/02/2025	No
41	Jyotsna A	XXXXXXXX23G	M.E.	Anna University	Computer Science & Engineering	04/12/2025	0	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
42	Anusha A V	XXXXXXXX96L	M.E.	Anna University	Computer Science & Engineering	08/07/2023	2.2	Assistant Professor	Assistant Professor		Contractual Fulltime	No	19/09/2025	No
43	Dr. Abdul Nizar M	XXXXXXXX90H	Ph.D	IIT Madras	Computer Science & Engineering	11/08/2023	2.4	Professor	Professor	11/08/2023	Regular	Yes		No
44	Jyothi Johnson	XXXXXXXX29F	M.Tech	CUSAT	Computer & Information Science	28/08/2006	18.3	Lecturer	Assistant Professor		Regular	No	09/12/2024	No
45	Ann Mathew	XXXXXXXX87M	M.Tech	CUSAT	VLSI & Embedded Systems	19/07/2011	14.5	Lecturer	Assistant Professor		Regular	Yes		No
46	Hema S Mahesh	XXXXXXXX35K	M.Tech	University of Kerala	Signal Processing	06/08/2012	13.4	Lecturer	Assistant Professor		Regular	Yes		No

47	Ms. Mehda B	XXXXXXXX98R	M.Tech	Anna University	Computer & Information Technology	17/11/2021	1.10	Assistant Professor	Assistant Professor		Contractual Fulltime	No	03/10/2023	No
48	Ms. Reeja S L	XXXXXXXX24A	M.E.	Anna University	Computer Science & Engineering	23/08/2006	19.4	Lecturer	Assistant Professor		Regular	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 Department3 No. of PG Programs in the Department0

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	60	60	60
UG1.C	60	60	0
UG1.D	60	0	0
UG1: Artificial Intelligence and Machine Learning	180	120	60
UG2.B	180	120	120
UG2.C	120	120	121
UG2.D	120	121	120
UG2: Computer Science and Engineering	420	361	361
DS=Total no. of students in all UG and PG programs in the Department	600	481	421
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= 600	S2= 481	S3= 421
DF=Total no. of faculty members in the Department	39	25	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= 39	F2= 25	F3= 20

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
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= 15.38	SFR2= 19.24	SFR3= 21.05
Average SFR for 3 years	SFR= 18.56		

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 = $2.5 * [(10X + 4Y) / RF]$
2025-26(CAY)	7	32	29.00	17.07
2024-25(CAYm1)	6	19	24.00	14.17
2023-24(CAYm2)	4	16	21.00	12.38

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	3.00	4.00	6.00	2.00	20.00	25.00
2024-25	2.00	4.00	5.00	1.00	16.00	19.00
2023-24	2.00	3.00	4.00	0.00	14.00	16.00
Average	RF1=2.33	AF1=3.67	RF2=5.00	AF2=1.00	RF2=16.67	AF2=20.00

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)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Bijoy Abraham J. S	SoftwareEngineer	Guidehouse	Capture the Flag Workshop	3.00
2	HariAjith	Managing Director	Artil group of Companies	Talk on Cyber Security	3.00
3	Aswin P. Chandran	CEO	Simple Logic Solutions	Academic Success and Career Advancement	3.00
4	Swathy S	Research Assistant	ICFOSS	Hands-on workshop on Machine Learning	6.00
5	Dr. Philomina Simon	Assistant Professor, Department of CSE	University of Kerala	Awareness session on Technical Writing And Presentations	6.00
6	Athul Mohan	CEO	Neovent Innovations	Placement preparation	30.00
7	Dominic DMello	HR Manager	EQUIFAX	Academia Meet	6.00
8	Aathira Vijayan	Talent Acquisition Specialist	Tangentia	Preplacement talk	6.00
9	Athira Ranjith	UX Designer	Qspiders	Pre-placement talk	6.00
10	Ajitha V	Assistant Consultant	TCS	CodeVita	1.00
11	Achu T	Business Development Manager	IDP	Higher Education for Engineering Graduates	3.00
12	Bimil Bose	Head Operation and Logistics	Pragmatix	Aptitude Training by Pragmatix Learning	42.00
13	Hari Shankar	Management Consultant	Infosys	Infosys springboard Student enablement program:AI	30.00
14	Athul Mohan	CEO	Neovent innovations	Coding training	6.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Philomina Simon	Assistant Professor, Department of CSE	University of Kerala	Awareness session on Technical Writing And Presentations	6.00
2	Bimil Bose	Head Operation and Logistics	Pragmatix	Aptitude training	18.00
3	Aswathy Prakash	Talent Acquisition	UST	UST-C Training	12.00
4	Aswathy Prakash	Talent Acquisition	UST	UST Interaction on certification Cours	6.00
5	Ajitha V	HR Manager	TCS	Code Vita	6.00
6	Achu T	Business Development Manager	IDP	Overseas Education	6.00
7	Bindu Thulasidharan	HR Manager	Guidehouse	Guidehouse Pre-Connect	3.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Bimil Bose	Head Operation and Logistics	Pragmatix	Aptitude training	24.00
2	Yash Kamnani	Full stack Developer	Simplomics Solutions	Qualitative Skill Let's Blender - workshop on 3D models	6.00
3	Dr. Philomina Simon	Assistant Professor	Department of CSE, University of Kerala	Awareness session on Technical Writing And Presentations	6.00
4	Yash Kamnani	Designer	Qualitative Skill Let's Blender	workshop on 3D models	6.00
5	Mr. Anand R	Trainer	Career Launcher, Trivandrum	Career guidance on Higher education	6.00
6	Mr.Titus P	Business Development Executive	TIME	Self introduction,Motivation and Interview skills.Awarness on CAT,MAT and GRE	6.00

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	6	4	4
2	No. of peer reviewed conference papers published	1	1	11
3	No. of books/book chapters published	0	1	0

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.Shreelekshmi	Dr.Sheeja Agustin	CENTRE FOR ENGINEERING RESEARCH AND DEVELOPEMENT	Empowering Traffic Management Systems with Artificial Intelligence	CENTRE FOR ENGINEERING RESEARCH AND DEVELOPEMENT	1 year	0.24
						Amount received (Rs.):0.24

(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
Dr. Soumya T	Reeja S L	CENTRE OF EXCELLENCE FOR DISABILITY STUDIES	Sign Language Classification for Hearing Impaired using Computer Vision and Deep Learning	CENTRE OF EXCELLENCE FOR DISABILITY STUDIES	1 year	2.50
Ms.Keerthi Krishnan		CENTRE OF EXCELLENCE FOR DISABILITY STUDIES	"Better Speak: DAF Assistance and Stuttering Detection Model"	CENTRE OF EXCELLENCE FOR DISABILITY STUDIES	6 months	0.18
Ms.Reeja S L	Dr.Sheeja Agustin	CENTRE FOR ENGINEERING RESEARCH AND DEVELOPEMENT	Classroom Attention Monitoring System	CENTRE FOR ENGINEERING RESEARCH AND DEVELOPEMENT	1 Year	0.25
						Amount received (Rs.):2.93

(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.Sheeja Agustin	Dr.Mercelin Francis	CENTRE FOR ENGINEERING RESEARCH AND DEVELOPEMENT	Web Accessible –Video Conferencing App with sign language recognition system	CENTRE FOR ENGINEERING RESEARCH AND DEVELOPEMENT	1 year	0.35
						Amount received (Rs.):0.35

Total Amount (Lacs) Received for the Past 3 Years: 3.52

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
Sreekutty S Vinod		Education Ministry of Latin Arch Diocese,Trivandrum	Synapse Education Portal for schools- A centralized academic & administrative ecosystem for the Arch Diocese	Education Ministry of Latin Arch Diocese,Trivandrum	76 weeks	15.00
						Amount received (Rs.):15.00

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years: 15.00

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)

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.Anusha B	Aqua Eye:A deep Intelligent system for underwater shrimp recognition	2 years	4.00	0.00	Proposal initiated for the purchase of GPU enabled PC.Literature Survey and preliminary work are ongoing
Dhanya L	AI assisted identificationof shrimp concentration zones using multi source oceanographic data	2 years	4.05	0.00	Proposal initiated for the purchase of GPU enabled PC.Literature Survey and preliminary work are ongoing
			Amount received (Rs.): 8.05		

(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
			Amount received (Rs.): 0		

(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
			Amount received (Rs.): 0		

Total amount (Lacs) received for the past 3 years : 8.05

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	Database Lab/ Programming Lab (Dennis Ritchie Lab) (BJ 105)	1	Processor: I3 (34 machines) Speed:3.30GHZ HDD : 250GB, RAM:3GB UPS: 5 KV (2nos)	12 hrs	Mr. Jery John B.R	Lab Instructor	Diploma
2	Datastructures Lab/ FOSS Lab Thomas Cormen Lab (SJ 301)	1	Processor: I3 (30 machines) RAM;4 GB HDD:500 GB UPS: 5 KV (2 Nos) Processor i5 RAM:-8 GB HDD: 4TB (4 Nos) Processor I3 RAM:4 GB HDD: 4TB (2 Nos)	19 hrs	Mr. Barnous Samuel	Lab Instructor	Diploma
3	System Software Lab/ Network Programming Lab Tim Berners Lee Lab	1	PC Desktop,Acer Veritron M200 Desktop,Intel core i5-12400 Processor 16GB DDR4 RAM,512 GB NVME SSD Windows 11 Home single language 22 "4K display"	12 hrs	Mrs. Sheeja George	Computer Operator	MCA
4	Micro processor Lab/ Compiler Design Lab (John Hennessy Lab (SJ 306)	1	Processor: I3 (28 machines) RAM;4 GB HDD:500 GB UPS: 5 KV, Processor: I3 RAM;4 GB HDD: 1TB (3 Nos) Processor I5 RAM: 8 GB HDD: 4TB (4 Nos)	12 hrs	Mrs. Tessa T	Lab Instructor	MCA
5	R & D Lab/IOT Lab/Cyber Physical Systems Lab (Robert Floyd Lab) (BJ	1	Processor:I3 (11 machines) Speed: 3.30GHZ, HDD :250GB RAM: 4GB UPS 5 KV,	4 hours	Mr. Shelton Joseph	System Administrator	Diploma
6	Electronic Devices & Circuits Lab (SM 106)	4	Soldering Iron Multimeter Workbench CRO Function Generator Power supply Function Generator	12 hours	Mrs. Noel Pereira J	Lab Instructor	B.Tech
7	Electronics Workshop (SM 103)	4	Soldering Iron Multimeter Workbench CRO Function Generator Power supply Function Generator	8 hrs	Mrs. Anitha R	Lab Instructor	Diploma
8	Digital Electronics Lab (SM210)	4	CRO Function Generator Multimeter Power supply Digital IC Trainer Kit Digital IC Tester	12 hrs	Mrs. Noel Pereira J	Lab Instructor	B.Tech

9	Engineering Workshop	4	Bench Vice (36) Power Hacksaw (1) Circular Saw Machine (1) Bench Grinder(1) Pedestal Drilling Machine (4) Heavy Duty Hand Chisel (4) Heavy Duty	8 hrs	Rev. Fr. Abin Stantly	Workshop Superintende	B.Tech
10	Engineering Physics Lab (AD310)	4	Solar Cell(2units) Spectrometer(2 units) Spectrometer(2 units) Newton's Ring(6 Units) Absorbance Spectrometer(2 Units)	12 hrs	Mr.Maickel P.	Lab Assistant	10th
11	Engineering Chemistry Lab (AD317)	4	Spectrophotometer (3 units) Potentiometer (3units) Conductometer (3 units) glass electrode (2units) calomel electrode (2units)	12 hrs	Ms. Mary Shimona	Lab Assistant	M.Sc.
12	C Programming Lab	1	Inetl Core i3 Processor, 4th Gen , 4 GB RAM, 120 GB SSD, 19" Monitor 109 Nos	18 hrs	Shelton Joseph	System Administrator	Diploma
13	IT Workshop(Charles Bachman Lab ,AD 213)	1	PC Desktop,Acer Veritron M200 Desktop,Intel core i5-12400 Processor 16GB DDR4 RAM,512 GB NVME SSD,Windows 11 Home, Intel Webcam, 20" 1080p Full	18 hrs	Mr. Subash Kumar P T.	Lab Instructor	Diploma

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Database Lab/ Programming Lab (Dennis Ritchie Lab) (BJ 105)	General Rules of Dos and Don'ts are displayed. Fire Extinguisher, First Aid Kit are kept Well trained technical supporting staff. Avoiding the use of damaged equipments Periodical servicing of the lab equipments. Avoiding the use of cell phones.
2	Datastructures Lab/ FOSS Lab Thomas Cormen Lab (SJ 301)	General Rules of Dos and Don'ts are displayed. Fire Extinguisher, First Aid Kit are kept Well trained technical supporting staff. Avoiding the use of damaged equipments Periodical servicing of the lab equipments. Avoiding the use of cell phones.
3	System Software Lab/ Network Programming Lab Tim Berners Lee Lab (SJ 303)	General Rules of Dos and Don'ts are displayed. Fire Extinguisher, First Aid Kit are kept Well trained technical supporting staff. Avoiding the use of damaged equipments Periodical servicing of the lab equipments. Avoiding the use of cell phones.
4	Project Lab (Alan Turing Lab) (SJ 206)	General Rules of Dos and Don'ts are displayed. Fire Extinguisher, First Aid Kit are kept Well trained technical supporting staff. Avoiding the use of damaged equipments Periodical servicing of the lab equipments. Avoiding the use of cell phones.
5	Micro processor Lab/ Compiler Design Lab (John Hennessy Lab) (SJ 306)	General Rules of Dos and Don'ts are displayed. Fire Extinguisher, First Aid Kit are kept Well trained technical supporting staff. Avoiding the use of damaged equipments Periodical servicing of the lab equipments. Avoiding the use of cell phones.
6	R & D Lab (Robert Floyd Lab) (BJ 103)	General Rules of Dos and Don'ts are displayed. Fire Extinguisher, First Aid Kit are kept Well trained technical supporting staff. Avoiding the use of damaged equipments Periodical servicing of the lab equipments. Avoiding the use of cell phones.

7	IT Workshop(Charles Bachman Lab) (AD 213)	General Rules of Dos and Don'ts are displayed. Fire Extinguisher, First Aid Kit are kept Well trained technical supporting staff. Avoiding the use of damaged equipments Periodical servicing of the lab equipments. Avoiding the use of cell phones.
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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)	540	27	11	36	59
2024-25(CAYm1)	540	27	11	40	62
2025-26(CAY)	450	22	10	54	85

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	9500000	7684463	11600000	6734120	4100000	1061447	3600000	1531010
Library	536000	165855	515000	321601	812000	373167	835000	581103
Laboratory equipment	2000000	2422927	4800000	3132090	8800000	4065633	7700000	3078622
Teaching and non-teaching staff salary	96630000	69413515	88050000	74908747	75020000	70559865	77367000	68326944
Outreach Programs	15500000	16041285	10700000	12422022	9600000	8804873	6150000	8185472
R&D	1800000	116270	850000	375890	1000000	328425	1300000	450000
Training, Placement and Industry linkage	1800000	393559	200000	125411	200000	37660	450000	79842
SDGs	1000000	1347578	8550000	7902622	11225000	21100495	10030000	21773162

Entrepreneurship	200000	124489	300000	171168	300000	120504	300000	45052
Others, specify	121945000	44235527	51895000	37681680	48578000	28631203	45875000	44603362
Total	250911000	141945468	177460000	143775351	159635000	135083272	153607000	148654569

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	2219820	2431236	4500000	4205346	75000	58575	100000	61200
Software	0	0	0	0	0	0	0	0
SDGs	0	0	0	0	0	0	0	0
Support for faculty development	10000	78530	10000	3960	150000	119800	15000	3290
R & D	1600000	49250	200000	143125	40000	27811	30000	4000
Industrial Training, Industry expert, Internship	65000	3287	40000	14000	15000	10000	15000	10000
Miscellaneous Expenses*	12960297	11669617	10683651	10683651	9293134	9253486	9148545	9129033
Total	16855117	14231920	15433651	15050082	9573134	9469672	9308545	9207523