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: 11470	**Date of Submission**: 12-01-2026

PART A- Profile of the Institute

A1.Name of the Institute: Toc H Institute of Science and Technology	
Year of Establishment : 2002	Location of the Institute: Kerala
A2. Institute Address:Arakunnam, Ernakulam Pin-682 313 Kerala	
City:Ernakulam	State:Kerala
Pin Code:682313	Website:www.tistcochin.edu.in
Email:principal@tistcochin.edu.in	Phone No(with STD Code):0484-2748388
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Dr APJ Abdul Kalam Technological University	City: Thiruvananthapuram
State : Kerala	Pin Code: 695016
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **9**
- No. of PG programs: **6**

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	Civil Engineering	2006	--	Civil Engineering
2	Engineering & Technology	UG	Computer Science and Engineering	2002	--	Computer Science and Engineering
3	Engineering & Technology	PG	Construction Engineering & Management	2013	--	Civil Engineering
4	Engineering & Technology	PG	Data Science	2020	--	Computer Science and Engineering
5	Engineering & Technology	UG	Electrical and Computer Engineering	2020	--	Electrical and Computer Engineering
6	Engineering & Technology	UG	Electrical and Electronics Engineering	2004	--	Electrical and Electronics Engineering
7	Engineering & Technology	UG	Electronics & Communication Engineering	2002	--	Electronics and Communication Engineering
8	Engineering & Technology	UG	Information Technology	2002	--	Information Technology

9	Engineering & Technology	UG	Mechanical Engineering	2006	--	Mechanical Engineering
10	Engineering & Technology	PG	Power Electronics	2012	2024	Electrical and Electronics Engineering
11	Engineering & Technology	UG	Robotics and Automation	2019	--	Robotics and Automation
12	Engineering & Technology	UG	Safety & Fire Engineering	2011	--	Safety and Fire Engineering
13	Engineering & Technology	PG	Thermal Engineering	2013	2024	Mechanical Engineering
14	Engineering & Technology	PG	Wireless Technology	2011	2024	Electronics and Communication Engineering
15	Management	PG	Masters in Business Administration	2008	--	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
Mechanical Engineering	No	Mechanical Engineering	UG
Safety and Fire Engineering	No	Safety & Fire Engineering	UG
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Electronics and Communication Engineering	Yes	Electronics & Communication Engineering	UG
Civil Engineering	No	Civil 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)

Allied Department/Cluster Name	Program Name	Program Level
Information Technology	Information Technology	UG

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	2002 / --	60	Yes	2025	180	2025	F.No. South-West/1-44643167176/2025/EOA Dated: 05-April-2025	Granted accreditation for 3 years for the period (specify period)	2023	2026	3	4

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

Sanctioned Intake for Last Five Years for the Computer Science and Engineering

Academic Year	Sanctioned Intake
2025-26	180
2024-25	150
2023-24	120
2022-23	120
2021-22	90
2020-21	90

List of the Allied Departments/Cluster and Programs:

SR.NO.	ALLIED DEPARTMENT NAME	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 ACCREDITE
1	Information Technology	Information Technology	UG	2002 / --	60	Yes	2025	60	2025	F.No. South-West/1-44643167176/2025/EOA Date: 05-Apr-2025	Applying first time	--	--	0

Sanctioned Intake for Last Five Years for the Information Technology

Academic Year	Sanctioned Intake
2025-26	60
2024-25	30
2023-24	30
2022-23	30
2021-22	30
2020-21	30

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

A. Name of the HoD :	Dr. Sreela Sreedhar
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	150	120	120	90	90	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	179	150	120	120	90	90	60
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	3	4	2	0	2	1
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	11	4	8	7	2	3
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	179	164	128	130	97	94	64

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	0	99.44
2024-25 (CAYm1)	150	150	11	107.33
2023-24 (CAYm2)	120	120	4	103.33

Average [(ER1 + ER2 + ER3) / 3] = 103.37≡ 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).	96.00	93.00	63.00
B=No. of students who graduated from the program in the stipulated course duration	79.00	78.00	55.00
Success Rate (SR)= (B/A) * 100	82.29	83.87	87.30

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 84.49

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

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

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
X=(Mean of 1st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10)	7.33	6.73	6.88
Y=Total no. of successful students	161.00	124.00	128.00
Z=Total no. of students appeared in the examination	150.00	120.00	120.00
API [X*(Y/Z)]	7.87	6.95	7.34

Average API[(AP1+AP2+AP3)/3] : 7.39

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)	6.93	6.76	6.85
Y=Total no. of successful students	128.00	130.00	96.00
Z=Total no. of students appeared in the examination	128.00	130.00	97.00
API [X * (Y/Z)]	6.93	6.76	6.78

Average API [(AP1 + AP2 + AP3)/3] : 6.82

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)	6.73	6.57	6.70
Y=Total no. of successful students	129.00	96.00	93.00
Z=Total no. of students appeared in the examination	130.00	96.00	93.00
API [X*(Y/Z)]:	6.68	6.57	6.70

Average API [(AP1 + AP2 + AP3)/3] : 6.65

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	96.00	93.00	63.00
X=No. of students placed	50.00	62.00	54.00
Y=No. of students admitted to higher studies	0.00	3.00	1.00
Z= No. of students taking up entrepreneurship	0.00	0.00	2.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	52.08	69.89	90.48

Average Placement Index = (P_1 + P_2 + P_3)/3: 70.82 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?

	Name	ID	Qual.	University	Specialization	Date	Exp	Designation at Joining	Present Designation	Date	Nature			
1	Dr. N.Vishwanath	XXXXXXX01J	Ph.D	Manomaniyam Sundaranar Univesity	Computer & Information Technology-Image Processing	24/06/2013	12.6	Professor	Professor	24/06/2013	Regular	Yes		No
2	Dr. Sreela Sreedhar	XXXXXXX94J	Ph.D	Anna University	Computer Science & Engineering- Data Security	01/07/2004	21.6	Lecturer	Associate Professor	01/11/2010	Regular	Yes		Yes
3	Dr. Sajith P J	XXXXXXX04R	Ph.D	Sathayabama Univesity	Computer & Communication Engineering	07/09/2020	5.4	Assistant Professor	Associate Professor	01/04/2025	Regular	Yes		No
4	Elsaba Jacob	XXXXXXX72H	M.Tech	Sathayabama Univesity	Information Technology	14/12/2009	16	Lecturer	Associate Professor	02/06/2025	Regular	Yes		No
5	Ashly Joseph	XXXXXXX65F	M.E.	Anna University	Computer Science & Engineering	20/07/2012	13.5	Lecturer	Assistant Professor		Regular	Yes		No
6	Sonu Kuriakose	XXXXXXX41P	M.Tech	KTU	Computer Science & Engineering- Data Security	01/11/2021	4.2	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Divya K. B	XXXXXXX65B	M.Tech	M.G university	Information Technology- Network Engineering	08/12/2021	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mima Manual	XXXXXXX35R	M.Tech	CUSAT	Computer Science & Engineering- Data Security	01/06/2022	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Chintu P Chacko	XXXXXXX43R	M.Tech	KTU	Computer Science & Engineering-Networks	29/08/2022	3.4	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Sharath P Raju	XXXXXXX07D	M.E.	Anna University	Computer Science & Engineering	13/02/2023	2.10	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Bini Mol N C	XXXXXXX04K	M.E.	Anna University	Computer Science & Engineering	01/07/2024	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
12	Anjaly Paul	XXXXXXX86G	M.Tech	M.G university	Information Systems	29/08/2024	1.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
13	Priya Jose	XXXXXXX84B	M.Tech	Christ University	Computer Science & Engineering	06/01/2025	1	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
14	Chinnu Edwin A	XXXXXXX08C	M.Tech	M.G University	Computer Science & Engineering	06/01/2025	1	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No

15	Aswathy Ramakrishnan	XXXXXXX00H	M.Tech	KTU	Image Processing	13/01/2025	0.11	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
16	Chitra C Sekhar	XXXXXXX22A	M.Tech	CUSAT	Computer and Information Science	17/06/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
17	Adeena K D	XXXXXXX11C	M.Tech	Amrita Vishwa Vidyapeetham	Computer Science & Engineering	17/06/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
18	Saira Shamsudheen K S	XXXXXXX29M	M.Tech	KTU	Computer and Information Science	17/06/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
19	Anju Kuriakose	XXXXXXX36M	M.Tech	CUSAT	Computer Science & Engineering	01/07/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Roja Thomas	XXXXXXX23P	M.Tech	KTU	Computer Science & Engineering	01/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
21	Amala George	XXXXXXX94A	M.Tech	KTU	Computer Science & Engineering	01/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
22	Arun Kumar	XXXXXXX34J	M.E.	Vinayaka Mission University	Computer Science & Engineering	01/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
23	Haritha V R	XXXXXXX17B	M.Tech	University of Calicut	Computer Science & Engineering	02/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
24	Saniya P M	XXXXXXX49E	M.Tech	Visvesvaraya Technological University	Computer Science & Engineering	15/07/2025	0.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
25	Anju Babu	XXXXXXX33Q	M.Tech	KTU	Computer Science & Engineering	21/07/2025	0.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
26	Jisha Mariam Jacob	XXXXXXX23G	M.Tech	KTU	Computer and Information Science	01/08/2025	0.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
27	Manju C N	XXXXXXX85Q	M.Tech	Anna University	Computer Science & Engineering	01/08/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
28	Santhi N M	XXXXXXX28F	M.E.	Anna University	Communication and Networking	01/08/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
29	Arathi K Chandran	XXXXXXX49H	M.Tech	CUSAT	Data Security	01/07/2024	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	No	03/01/2026	No
30	Asha Thomas	XXXXXXX02D	M.Tech	M.G university	Cyber Security	24/02/2025	0.4	Assistant Professor	Assistant Professor		Contractual Fulltime	No	01/07/2025	No

31	Vidhya Vijayan	XXXXXXX55R	M.Tech	KTU	Computer Science & Engineering	01/07/2024	0.11	Assistant Professor	Assistant Professor		Contractual Fulltime	No	30/06/2025	No
32	Leema Mathew	XXXXXXX86R	M.Tech	CUSAT	Computer & Information Science	29/08/2022	2.9	Assistant Professor	Assistant Professor		Regular	No	28/06/2025	No
33	Shini Sam	XXXXXXX68F	M.Tech	Karunya University	Network and Internet Engineering	17/07/2024	0.11	Assistant Professor	Assistant Professor		Contractual Fulltime	No	28/06/2025	No
34	Cinu Skaria	XXXXXXX39A	M.E.	Anna University	Computer Science & Engineering	22/08/2022	2.9	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
35	Bibin Vincent	XXXXXXX75B	M.Tech	Karunya University	Network and Internet Engineering	19/08/2024	0.9	Assistant Professor	Assistant Professor		Contractual Fulltime	No	24/05/2025	No
36	Nimina George	XXXXXXX10P	M.Tech	KTU	Computer Science & Engineering- Data Security	01/11/2021	3.6	Assistant Professor	Assistant Professor		Regular	No	07/05/2025	No
37	Suchithra S	XXXXXXX97Q	M.Tech	CUSAT	Software Engineering	02/08/2023	1.5	Assistant Professor	Assistant Professor		Regular	No	09/12/2024	No
38	Sreeja S	XXXXXXX88K	M.E.	Anna University	Computer Science & Engineering	02/08/2023	1.4	Assistant Professor	Assistant Professor		Contractual Fulltime	No	31/12/2024	No
39	Philo Sumi	XXXXXXX96F	M.Tech	Calicut University	Computer Science & Engineering	21/08/2023	1.3	Assistant Professor	Assistant Professor		Contractual Fulltime	No	13/12/2024	No
40	Leda Kamal	XXXXXXX81Q	M.Tech	Anna University	Computer Science & Engineering	09/08/2007	17.3	Lecturer	Assistant Professor		Regular	No	29/11/2024	No
41	Baazil P Thampy	XXXXXXX27E	M.E.	Anna University	Computer Science & Engineering	24/08/2023	1	Assistant Professor	Assistant Professor		Contractual Fulltime	No	23/08/2024	No
42	Jacob Jose Chemmankuzha	XXXXXXX27N	M.Tech	KTU	Network Engineering	24/08/2023	0.11	Assistant Professor	Assistant Professor		Contractual Fulltime	No	16/08/2024	No
43	Dr. Jesna Anver	XXXXXXX07L	Ph.D	CUSAT	Computational Engineering & Networking- Computer Vision and Machine Learning	01/07/2013	11.1	Associate Professor	Associate Professor	01/07/2013	Regular	No	01/08/2024	No
44	Dr. Saira Varghese	XXXXXXX20P	Ph.D	Noorul Islam Centre for Higher Education	Computer Science & Engineering- Data Security	11/06/2007	17.1	Lecturer	Associate Professor	02/01/2023	Regular	No	15/07/2024	No

45	Mithu Mary George	XXXXXXX38J	M.Tech	CUSAT	Computer Science & Engineering- Data Security	15/06/2013	10.7	Lecturer	Assistant Professor		Regular	No	31/01/2024	No
46	Rinu Rose George	XXXXXXX19N	M.E.	Anna University	Computer Science & Engineering	15/06/2013	10.2	Assistant Professor	Assistant Professor		Regular	No	11/09/2023	No
47	Sherine Sebastian	XXXXXXX96N	M.Tech	CUSAT	Computer Science & Engineering- Image Processing	01/11/2021	1.10	Assistant Professor	Assistant Professor		Regular	No	11/09/2023	No

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

Sr.No	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr Rasmi P. S	XXXXXXX20H	XXXXXXXXX832	Ph.D	Anna University	Cryptography and Data Security	15/10/2009	16.2	Assistant Professor	Professor	01/07/2024	Regular	Yes		Yes
2	Kurien Thampy	XXXXXXX67D	XXXXXXXXX955	M.E.	Anna University	Theory of Computation	20/06/2011	14.6	Assistant Professor	Assistant Professor		Regular	Yes		No
3	Smitha Mohan M	XXXXXXX27C	NA	M.E.	Anna University	Data Security	04/09/2007	18.4	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Ajayakumar M V	XXXXXXX54L	XXXXXXXXX000	M.E.	Anna University	Network Security	01/12/2011	14.1	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Sandhya C P	XXXXXXX95F	XXXXXXXXX246	M.E.	Anna University	Database Management System	04/06/2012	13.7	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Neomi Nelin Nicholas	XXXXXXX84H	XXXXXXXXX017	M.Tech	CUSAT	Data Security	14/11/2014	11.1	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Priya Saira Mathews	XXXXXXX35D	XXXXXXXXX843	M.E.	Anna University	Computer Networks	01/06/2022	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Nifasath Piyar S	XXXXXXX55C	NA	M.E.	Anna University	Data Structures and Machine Learning	05/02/2025	0.11	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No

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	153	124	122
UG1.C	124	122	90
UG1.D	122	90	92
UG1: Computer Science and Engineering	**399**	**336**	**304**
UG2.B	30	30	30
UG2.C	30	30	30
UG2.D	30	30	30
UG2: Information Technology	**90**	**90**	**90**
PG1.A	21	21	12
PG1.B	21	12	12
PG1: Data Science	**42**	**33**	**24**
DS=Total no. of students in all UG and PG programs in the Department	441	369	328
AS=Total no. of students of all UG and PG programs in allied departments	90	90	90
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 531	**S2=** 459	**S3=** 418
DF=Total no. of faculty members in the Department	28	19	21
AF= Total no. of faculty members in the allied Departments	8	7	7
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 36	**F2=** 26	**F3=** 28
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= 14.75**	**SFR2= 17.65**	**SFR3= 14.93**
Average SFR for 3 years	**SFR= 15.78**		

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	32	26.00	16.15
2024-25(CAYm1)	4	22	22.00	14.55
2023-24(CAYm2)	5	23	20.00	17.75

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	2.00	2.00	5.00	2.00	17.00	16.00
2024-25	2.00	2.00	5.00	1.00	15.00	17.00
2023-24	2.00	1.00	4.00	4.00	13.00	19.00
Average	RF1=2.00	AF1=1.67	RF2=4.67	AF2=2.33	RF2=15.00	AF2=17.33

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms. Saritha Haridas A	Data /AI Engineer	Freston Analytics	Data Analytics (S6 Elective course based add on course	25.00
2	Dr. Prem Shankar	Associate Professor	Providence College of Engineering	Introduction to Machine learning (Honors & Minor based add on course)	25.00
3	Ms.Shamna Parakkal	Data Engineer	Freston Analytics	Introduction to Deep Learning (Honors & Minor based add on course)	20.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms.Shamna Parakkal	Data Engineer	Freston Analytics	Introduction to Data Engineering (S6 Elective course based add on course)	10.00
2	Mr. Anish S Nair	CEO	Logix space Technologies	Introduction to Full Stack Development	60.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Lomin Joy	Project Engineer	Embedded System, IIT Palakkad	Deploying Machine Learning Models on an Edge Device (Project based add on course)	15.00
2	Ms.Shamna Parakkal	Data Engineer	Freston Analytics	Introduction to Data Engineering (S6 Elective course based add on course)	25.00
3	Mr. Abdul Saleem P O	Technical Director	Freston Analytics	Python Programming Workshop	52.00

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	1	4	1
2	No. of peer reviewed conference papers published	6	3	4
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
NIL	NIL	NIL	NIL	NIL	NIL	0.00
						Amount received (Rs.):0.00

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr Saira Varghese	Mr Jacob Jose Chemmankuzha	Dept. of CSE	Automatic Smart FishTank Cleaner	KTU CERD	1 year	0.36
Dr Sreela Sreedhar	Ms Philo Sumy	Dept. of CSE	First Aid Pro	Freston Analytics Pvt Ltd	1 year	0.75
						Amount received (Rs.):1.11

(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
Ms Sherine Sebastian	NIL	Dept. of CSE	Air Quality Analyzer with Time Series based Dashboard	District Industries Center,Ernakulam	1 Year	0.48
Dr Sreela Sreedhar	NIL	Dept. of CSE	Traffic Incident Detection and Evidence Management from CCTV Surveillance Footage using Deep Learning and Blockchain	AICTE Funding under RPS Scheme	Ongoing	8.80
						Amount received (Rs.):9.28

Total Amount (Lacs) Received for the Past 3 Years: 10.39

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)

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 Sreela Sreedhar	NIL	Dept of CSE	ProSEED	Freston Analytics Pvt Ltd	One Month	0.23
Dr Sreela Sreedhar	NIL	Dept of CSE	FOSS Tech Venture	ICFOSS	4/3/2024	0.26
						Amount received (Rs.):0.49

(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 Sreela Sreedhar	NIL	Dept of CSE	Cyber and Information Security	CDAC	2 Days	0.20
						Amount received (Rs.):0.20

Total amount (Lacs) received for the past 3 years: 0.69

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

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
NIL	NIL	NIL	0.00	0.00	
			Amount received (Rs.): 0.00		

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

Total amount (Lacs) received for the past 3 years : 0.00

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	System Software & Microprocessor Lab	34	CLIENT -34:INTEL CORE i5,8GB RAM(DDR3), 480 GB SSD,Software/Tools:GCC compiler, Java , Jupyter Notebook,Microprocessor tools: 8086 trainer kit(s)	30 hours: Data	Ms. Devika Rajan	Lab Instructor Grade II	B.Tech CS
2	Application Software Lab	34	CLIENT-34:INTEL CORE i5,8GB RAM(DDR4), 480 GB SSD. Software/Tools:Oracle 19c, MySQL 9.0, MongoDB Community Edition on Windows , Oracle Database 11g	30 hours: Algor	Ms. Jisha P T	Lab Instructor Grade II	M.Sc CS PGDCA
3	Machine Learning Lab	30	CLIENT-30:INTEL CORE i7,32 GB DDR4 RAM 480 GB SSD,RTX 2060 Graphics Card(GPU Computing Facility) utilizing the MODROB fund of Rs. 4 LAKH	28 hours: Digit:	Mr. Amal M Das	Lab Instructor Grade II	B.Tech ECE
4	Computing and Digital Technologies Lab	36	CLIENT-36:INTEL CORE i5,32 GB DDR4 RAM,1TB NVME.Software/Tools:Java, GCC compiler, Ripes, iVerilog, Logisim, Jupyter Notebook	31 hours: COA	Ms. Fabamol. K.B	Lab Instructor Grade II	B.Tech CS
5	Data Science Lab	15	CLIENT-15:INTEL CORE i5, 8 GB DDR3 RAM, 480 GB SSD. Software/Tools:Anaconda (Python), Jupyter Notebook, GCC compiler, Java	31 hours:Deep	Ms.Remya Tomy	Lab Instructor Grade II	MCA PGDCA

| 6 | Telepresence Lab | 60 | CLIENT-60:INTEL CORE i5,8 GB DDR3 RAM, 480 GB SSD.Software/Tools:Java, GCC compiler, Jupyter Notebook, Flex, Bison (types) | 24 hours:C Prc | Mr. Manoj M John | Lab Instructor Grade II | Diploma in C.H.M |
| 7 | Hardware Lab | 3 | Necessary equipment/resources: 3 desktop PCs used for hardware demonstrations and practice. | 24 hrs in a Sen | Mr. Joby Varghese | Lab Instructor Grade III | Diploma in C.H.M |

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	System Software & Microprocessor Lab	Reliable Power Backup: All laboratories are equipped with adequate UPS and generator backup to safeguard systems against power interruptions and voltage fluctuations. Safety Provisions: Fire extinguishers and first-aid boxes are installed in every laboratory to address emergency situations. Equipment Handling: Students are instructed to properly shut down all equipment before leaving the laboratory to ensure safety and longevity of systems. Clean Workspace: Students are required to maintain a clean and clutter-free workspace at all times. Access Control: Entry is restricted to authorized users; unauthorized access to computer laboratories is strictly prohibited. Attendance and Monitoring: A Lab Log Register is maintained to record and verify student attendance and usage. Reporting Issues: Students must immediately report any hardware damage or improper functioning of systems to the Lab Technician. Storage Facilities: Designated storage spaces are provided for students to keep bags and footwear outside the working area. Network and System Security: Server-managed Seqrite (Quick Heal Enterprise Security) antivirus solutions protect the network from threats. A firewall is also deployed as the first line of defense to ensure robust network security.
2	Application Software Lab	Reliable Power Backup: All laboratories are equipped with adequate UPS and generator backup to safeguard systems against power interruptions and voltage fluctuations. Safety Provisions: Fire extinguishers and first-aid boxes are installed in every laboratory to address emergency situations. Equipment Handling: Students are instructed to properly shut down all equipment before leaving the laboratory to ensure safety and longevity of systems. Clean Workspace: Students are required to maintain a clean and clutter-free workspace at all times. Access Control: Entry is restricted to authorized users; unauthorized access to computer laboratories is strictly prohibited. Attendance and Monitoring: A Lab Log Register is maintained to record and verify student attendance and usage. Reporting Issues: Students must immediately report any hardware damage or improper functioning of systems to the Lab Technician. Storage Facilities: Designated storage spaces are provided for students to keep bags and footwear outside the working area. Network and System Security: Server-managed Seqrite (Quick Heal Enterprise Security) antivirus solutions protect the network from threats. A firewall is also deployed as the first line of defense to ensure robust network security.
3	Machine Learning Lab	Reliable Power Backup: All laboratories are equipped with adequate UPS and generator backup to safeguard systems against power interruptions and voltage fluctuations. Safety Provisions: Fire extinguishers and first-aid boxes are installed in every laboratory to address emergency situations. Equipment Handling: Students are instructed to properly shut down all equipment before leaving the laboratory to ensure safety and longevity of systems. Clean Workspace: Students are required to maintain a clean and clutter-free workspace at all times. Access Control: Entry is restricted to authorized users; unauthorized access to computer laboratories is strictly prohibited. Attendance and Monitoring: A Lab Log Register is maintained to record and verify student attendance and usage. Reporting Issues: Students must immediately report any hardware damage or improper functioning of systems to the Lab Technician. Storage Facilities: Designated storage spaces are provided for students to keep bags and footwear outside the working area. Network and System Security: Server-managed Seqrite (Quick Heal Enterprise Security) antivirus solutions protect the network from threats. A firewall is also deployed as the first line of defense to ensure robust network security.
4	Computing and Digital Technologies Lab	Reliable Power Backup: All laboratories are equipped with adequate UPS and generator backup to safeguard systems against power interruptions and voltage fluctuations. Safety Provisions: Fire extinguishers and first-aid boxes are installed in every laboratory to address emergency situations. Equipment Handling: Students are instructed to properly shut down all equipment before leaving the laboratory to ensure safety and longevity of systems. Clean Workspace: Students are required to maintain a clean and clutter-free workspace at all times. Access Control: Entry is restricted to authorized users; unauthorized access to computer laboratories is strictly prohibited. Attendance and Monitoring: A Lab Log Register is maintained to record and verify student attendance and usage. Reporting Issues: Students must immediately report any hardware damage or improper functioning of systems to the Lab Technician. Storage Facilities: Designated storage spaces are provided for students to keep bags and footwear outside the working area. Network and System Security: Server-managed Seqrite (Quick Heal Enterprise Security) antivirus solutions protect the network from threats. A firewall is also deployed as the first line of defense to ensure robust network security.

5	Data Science Lab	Reliable Power Backup: All laboratories are equipped with adequate UPS and generator backup to safeguard systems against power interruptions and voltage fluctuations. Safety Provisions: Fire extinguishers and first-aid boxes are installed in every laboratory to address emergency situations. Equipment Handling: Students are instructed to properly shut down all equipment before leaving the laboratory to ensure safety and longevity of systems. Clean Workspace: Students are required to maintain a clean and clutter-free workspace at all times. Access Control: Entry is restricted to authorized users; unauthorized access to computer laboratories is strictly prohibited. Attendance and Monitoring: A Lab Log Register is maintained to record and verify student attendance and usage. Reporting Issues: Students must immediately report any hardware damage or improper functioning of systems to the Lab Technician. Storage Facilities: Designated storage spaces are provided for students to keep bags and footwear outside the working area. Network and System Security: Server-managed Seqrite (Quick Heal Enterprise Security) antivirus solutions protect the network from threats. A firewall is also deployed as the first line of defense to ensure robust network security.
6	Project Lab	Reliable Power Backup: All laboratories are equipped with adequate UPS and generator backup to safeguard systems against power interruptions and voltage fluctuations. Safety Provisions: Fire extinguishers and first-aid boxes are installed in every laboratory to address emergency situations. Equipment Handling: Students are instructed to properly shut down all equipment before leaving the laboratory to ensure safety and longevity of systems. Clean Workspace: Students are required to maintain a clean and clutter-free workspace at all times. Access Control: Entry is restricted to authorized users; unauthorized access to computer laboratories is strictly prohibited. Attendance and Monitoring: A Lab Log Register is maintained to record and verify student attendance and usage. Reporting Issues: Students must immediately report any hardware damage or improper functioning of systems to the Lab Technician. Storage Facilities: Designated storage spaces are provided for students to keep bags and footwear outside the working area. Network and System Security: Server-managed Seqrite (Quick Heal Enterprise Security) antivirus solutions protect the network from threats. A firewall is also deployed as the first line of defense to ensure robust network security.
7	Telepresence Lab	Reliable Power Backup: All laboratories are equipped with adequate UPS and generator backup to safeguard systems against power interruptions and voltage fluctuations. Safety Provisions: Fire extinguishers and first-aid boxes are installed in every laboratory to address emergency situations. Equipment Handling: Students are instructed to properly shut down all equipment before leaving the laboratory to ensure safety and longevity of systems. Clean Workspace: Students are required to maintain a clean and clutter-free workspace at all times. Access Control: Entry is restricted to authorized users; unauthorized access to computer laboratories is strictly prohibited. Attendance and Monitoring: A Lab Log Register is maintained to record and verify student attendance and usage. Reporting Issues: Students must immediately report any hardware damage or improper functioning of systems to the Lab Technician. Storage Facilities: Designated storage spaces are provided for students to keep bags and footwear outside the working area. Network and System Security: Server-managed Seqrite (Quick Heal Enterprise Security) antivirus solutions protect the network from threats. A firewall is also deployed as the first line of defense to ensure robust network security.

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)	450	22	15	0	55
2024-25(CAYm1)	480	24	16	0	53
2025-26(CAY)	570	28	16	0	46

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 2025-2026	Actual Expenses in 2025-2026 till	Budgeted in 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till
Infrastructure Built-Up	3800000	2884185	2600000	2375445	800000	625786	1250000	1107788
Library	3500000	2779682	3500000	3351460	3100000	2917670	2700000	2629599
Laboratory equipment	12761600	7964860	11035000	10374865	3362000	3273271	6900500	8364798
Teaching and non-teaching staff salary	122000000	91667044	114000000	113900726	110500000	110296330	110000000	108777371
Outreach Programs	42000	3105	50500	32664	33000	26250	39000	6605
R&D	1117000	797006	387000	345664	300000	248216	700000	638317
Training, Placement and Industry linkage	5725000	4205924	4368000	4004126	3628000	3245828	3445000	2957092
SDGs	143500	102900	182000	174698	334000	325105	278000	70000
Entrepreneurship	200000	0	150000	112000	0	0	0	0
Others, specify	63797000	49314181	59710500	57481134	61964300	60490540	59428500	56832291
Total	**213086100**	**159718887**	**195983000**	**192152782**	**184021300**	**181448996**	**184741000**	**181383861**

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 2025-2026	Actual Expenses in 2025-2026 till	Budgeted in 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till
Laboratory equipment	2036000	1802500	600000	599851	85000	104430	1678000	1672043
Software	0	0	0	0	0	0	0	0
SDGs	25000	10000	30000	30391	80000	82200	12000	12000
Support for faculty development	50000	45000	0	0	35000	33715	20000	21830
R & D	10000	0	35000	32875	144000	139240	215000	214411
Industrial Training, Industry expert, Internship	1265000	1109323	790000	773649	533500	473030	343000	322048

Maintanence & Spares, Laboratory Consumables,	595000	253338	865000	837871	379500	357879	202000	170773
Total	**3981000**	**3220161**	**2320000**	**2274637**	**1257000**	**1190494**	**2470000**	**2413105**