

NATIONAL BOARD OF ACCREDITATION

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

PART-A: Profile of the Institute

Name of the Program Applied for: Computer Science & Engineering

A1: Name of the Institute: - Toc H Institute of Science and Technology

Year of Establishment: 2002

Location of the Institute: Arakkunnam

A2: Institute Address: - Toc H Institute of Science and Technology,
Arakkunnam, Ernakulam Pin-682 313 Kerala

City: Ernakulam

State: Kerala

Pin Code: 682 313

Website: www.tistcochin.edu.in

E-mail: mail@tistcochin.edu.in

Phone No (with STD Code):
0484 2748388, 2749600

A3: Name and Address of the Affiliating University (If any): -

Name of the University: APJ Abdul Kalam Technological University City: Trivandrum
CET Campus, Alathara Rd, Ambady Nagar,
Thiruvananthapuram, Kerala.

State: Kerala

Pin Code:695016

A4: Type of the Institution: - (Tick the applicable choice)

Institute of National Importance

☐

Deemed University

☐

University

☐

Autonomous

☐

Non-Autonomous (Affiliated)

☒

Any other (Please specify) *

☐

***Provide Details:** _____

A5: Ownership Status: - (Tick the applicable choice)

Central Government

☐

State Government

☐

Government Aided

☐

Self-financing

☒

Any Other (Please specify) *

☐

***Provide Details:** _____

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

❖ No. of UG programs: 9

❖ No. of PG programs: 3

Table No. A6.1: List of all programs offered by the Institute.

S.N.	Level of program (UG/PG)	Name of the program	Year of Start	Year close*	Name of the Department
1	UG	B.Tech Civil Engineering	2006	-	Civil Engineering
2	UG	B.Tech Computer Science and Engineering	2002	-	Computer Science and Engineering
3	UG	B.Tech Electrical and Computer Engineering	2020		Electrical and Computer Engineering
4	UG	B.Tech Electrical and Electronics Engineering	2004		Electrical and Electronics Engineering
5	UG	B.Tech Electronics and Communication Engineering	2002		Electronics and Communication Engineering
6	UG	B.Tech Information Technology	2002		Information Technology
7	UG	B.Tech Mechanical Engineering	2006		Mechanical Engineering
8	UG	B.Tech Robotics and Automation	2019		Robotics and Automation
9	UG	B.Tech Safety and Fire Engineering	2011		Safety and Fire engineering
10	PG	MBA	2008		MBA
11	PG	M.Tech Construction Engineering and Management	2013		Civil Engineering
12	PG	M.Tech Data Sciences	2020		Computer Science and Engineering

A7: Programs to be considered for Accreditation vide this Application:**Table No. A7.1:** List of programs to be considered for accreditation.

Cluster ID.	Name of the Department	Name of the Program
1	Civil Engineering	BTech Civil Engineering
2	Computer Science and Engineering	BTech Computer Science and Engineering
3	Electronics and Communication Engineering	BTech Electronics and Communication Engineering
4	Mechanical Engineering	BTech Mechanical Engineering
5	Safety and Fire Engineering	BTech Safety and Fire Engineering

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)
1.	Computer Science and Engineering	Information Technology
2.	Electronics and Communication Engineering	Robotics and Automation
3.	Mechanical Engineering	
4.	Civil Engineering	
5.	Safety and Fire Engineering	

PART-B: Program information

(Data to be filled in for the program applied for Accreditation)

B1: Provide the Required Information for the Program Applied For: -

Table No. B1: Program details.

S. N.	Program Name	Year of start	Sanctioned Intake	Increase/decrease in intake, if any	Year of increase/decrease	AICTE Approval Details	Accreditation Status*	No. of times program accredited
1.	Computer Science and Engineering	2002	60	-	-	06/06/KER/ENG G/2002/29	Granted accreditation for three years during the Period 2017-Jun 2020;	3
				Increase in intake: 30 more seats added. Total:90	2020	F.No. South-West/1-7003815890/2020/EOA	Further accreditation granted for the period 2020-June 2023;	
				Increase in intake: 30 more seats added. Total:120	2022	F.No. South-West/1-10969362188/2022/EOA	Granted further accreditation for the period 2023-Jun 2026	
				Increase in intake: 30 more seats added. Total:150	2024	F.No. South-West/1-43662717850/2024/EOA		
				Increase in intake: 30 more seats added. Total:180	2025	F.No. South-West/1-44643167176/2025/EOA		

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

A. Name of the HoD : Dr.Sreela Sreedhar

B. Nature of appointment: (Tick the applicable choice)

- ❖ Regular ☒
- ❖ Contract ☐
- ❖ Ad hoc ☐

C. Qualification: (Tick the applicable choice)

❖ **Ph.D.**



❖ **ME/M.Tech**



❖ **Any other***

***Please provide details:** _____

B3: Program Details

Table No.B3.1: Admission details for the program excluding those admitted through multiple entry and exit points.

Item (Information is to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	CAY	CAYm1	CAYm2	CAYm3	CAYm4 (LYG)	CAYm5 (LYGm1)	CAYm6 (LYGm2)
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 1 st 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 2 nd 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 1 st 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

B4: Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

Item (Students enrolled in the First Year on average over 3 academic years (CAY, CAYm1, and CAYm2))	CAY	CAYm1	CAYm2
N= Sanctioned intake of the program in the 1 st year (as per AICTE/Competent authority)	180	150	120
N1= Total no. of students admitted in the 1 st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	179	150	120
N4= Total no. of students admitted in the 1 st year via all supernumerary quotas	0	11	4
Enrolment Ratio (ER)= (N1+N4)/N	99.44	107.33	103.33
Average ER= (ER_1+ ER_2+ ER_3)/3	103.37		

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	LYG	LYGm1	LYGm2
A*= (No. of students admitted in the 1 st year of that batch and those actually admitted in the 2 nd 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	93	63
B=No. of students who graduated from the program in the stipulated course duration	79	78	55
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		

Note *: If the value of A in Table No. B5.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of A in Table No.B5.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No.B3.1.

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	CAYm2	CAYm3
X= (Mean of 1 st 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 1 st year/10)	7.33	6.73	6.88
Y= Total no. of successful students	161	124	128
Z = Total no. of students appeared in the examination	150	120	120
API = X* (Y/Z)	7.87	6.95	7.34
Average API = (API_1 + API_2 + API_3)/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	CAYm2	CAYm3
X= (Mean of 2 nd 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 2 nd year/10)	6.93	6.76	6.85
Y= Total no. of successful students	128	130	96
Z =Total no. of students appeared in the examination	128	130	97
API = X* (Y/Z)	6.93	6.76	6.78
Average API = (API_1 + API_2 + API_3)/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	CAYm2	CAYm3
X= (Mean of 3 rd 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 3 rd year/10)	6.73	6.57	6.70
Y= Total no. of successful students	129	96	93
Z= Total no. of students appeared in the examination	130	96	93
API = X* (Y/Z)	6.68	6.57	6.70
Average API = (API_1 + API_2 + API_3)/3	6.65		

B9: Placement, Higher Studies, and Entrepreneurship**Table No.B9.1:** Placement, higher studies, and entrepreneurship details.

Item	LYG	LYGm1	LYGm2
FS*=Total no. of final year students	96	93	63
X= No. of students placed	50	62	54
Y= No. of students admitted to higher studies	0	3	1
Z= No. of students taking up entrepreneurship	0	0	2
X + Y + Z =	50	65	57
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		

Note *: If the value of FS in Table No. B9.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of FS in Table No. B9.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No.B3.1.

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

S. No.	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/	Nature of Association (Regular/ Contract/ Ad	If contractual mention Full	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")
1.	Dr. N.Vishwanath	Ph. D	Manomaniyam Sundaranar	Computer & Information Technology- Image Processing	24-6-2013	12	Professor	Professor	24-6-2013	Regular		Y	
2.	Dr. Sreela Sreedhar	Ph. D	Anna University	Computer Science & Engineering - Data Security	01-07-2004	21	Lecturer	Professor	16-01-2026	Regular		Y	
3.	Ms. Elsaba Jacob	M.Tech	Sathayabama University	Information Technology	14-12-2009	16	Lecturer	Associate Professor	01-05-2025	Regular		Y	
4.	Ms. Ashly Joseph	M E	Anna University	Computer Science & Engineering	20-07-2012	13	Lecturer	Assistant Professor		Regular		Y	
5.	Dr. Sajith P J	M E	Anna University	Computer & Communication Engineering	07-09-2020	5	Assistant Professor	Associate Professor	01-04-2025	Regular		Y	
6.	Ms. Sonu Kuriakose	M.Tech	KTU	Computer Science & Engineering - Data Security	01-11-2021	4	Assistant Professor	Assistant Professor		Regular		Y	
7.	Ms. Divya K. B	M.Tech	M.G university	Information Technology- Network Engineering	08-12-2021	4	Assistant Professor	Assistant Professor		Regular		Y	
8.	Ms. Mima Manual	M.Tech	CUSAT	Computer Science & Engineering - Data Security	01-06-2022	10	Assistant Professor	Assistant Professor		Regular		Y	
9.	Ms. Chintu P Chacko	M.Tech	KTU	Computer Science & Engineering -Networks	29-08-2022	3	Assistant Professor	Assistant Professor		Regular		Y	
10.	Mr. Sharath P Raju	ME	Anna University	Computer Science & Engineering	13-02-2023	2	Assistant Professor	Assistant Professor		Regular		Y	
11.	Ms. Arathi K Chandra n	M. Tech	CUSAT	Data Security	01-07-2024	1	Assistant Professor	Assistant Professor		Contract	Full Time	Y	
12.	Ms. Bini Mol N C	ME	Anna University	Computer Science & Engineering	01-07-2024	1	Assistant Professor	Assistant Professor		Contract	Full Time	Y	

											m e		
13.	Ms. Anjaly Paul	M. Tech	M.G University	Information Systems	29-08-2024	1	Assistant Professor	Assistant Professor		Contract	Full Time	Y	
14.	Ms. Priya Jose	M. Tech	Christ University	Computer Science & Engineering	06-01-2025	0	Assistant Professor	Assistant Professor		Contract	Full Time	Y	
15.	Ms. Chinnu Edwin	M. Tech	M.G university	Computer Science & Engineering	06-01-2025	0	Assistant Professor	Assistant Professor		Contract	Full Time	Y	
16.	Ms. Aswathy Ramakrishnan	M. Tech	KTU	Image Processing	13-01-2025	0	Assistant Professor	Assistant Professor		Contract	Full Time	Y	
17.	Ms. Chitra C Sekhar	M. Tech	CUSAT	Computer and Information Science	17-06-2025	0	Assistant Professor	Assistant Professor		Contract	Full Time	Y	
18	Ms. Adeena K D	M. Tech	Amrita Vishwa Vidyapeetham	Computer Science & Engineering	17-06-2025	0	Assistant Professor	Assistant Professor		Contract	Full Time	Y	
19	Ms. Saira Shamsudheen K S	M. Tech	KTU	Computer and Information Science	17-06-2025	0	Assistant Professor	Assistant Professor		Contract	Full Time	Y	
20	Ms. Anju Kuriakose	M. Tech	CUSAT	Computer Science & Engineering	01-07-2025	0	Assistant Professor	Assistant Professor		Regular		Y	
21	Ms. Roja Thomas	M. Tech	KTU	Computer Science & Engineering	01-07-2025	0	Assistant Professor	Assistant Professor		Contract	Full Time	Y	
22	Ms. Amala George	M. Tech	KTU	Computer Science & Engineering	01-07-2025	0	Assistant Professor	Assistant Professor		Contract	Full Time	Y	
23	Mr. Arun Kumar	M E	Vinayaka Mission University	Computer Science & Engineering	01-07-2025	0	Assistant Professor	Assistant Professor		Contract	Full Time	Y	
24	Ms. Haritha V R	M. Tech	University of Calicut	Computer Science & Engineering	02-07-2025	0	Assistant Professor	Assistant Professor		Contract	Full Time	Y	

25	Ms. Saniya P M	M. Tech	Visvesvaraya Technological University	Computer Science & Engineering	15-07-2025	0	Assistant Professor	Assistant Professor		Contract	Full Time	Y	
26.	Ms. Anju Babu	M. Tech	KTU	Computer Science & Engineering	22-07-2025	0	Assistant Professor	Assistant Professor		Contract	Full Time	Y	
27.	Ms. Jisha Mariam Jacob	M. Tech	KTU	Computer and Information Science	01-08-2025	0	Assistant Professor	Assistant Professor		Contract	Full Time	Y	
28.	Ms. Manju C N	M. Tech	Anna University	Computer Science & Engineering	01-08-2025	17	Lab Instructor	Assistant Professor		Regular		Y	
29.	Ms. Santhi N M	M E	Anna University	Communication and Networking	01-08-2025	16	Lab Instructor	Assistant Professor		Regular		Y	
30.	Ms. Asha Thomas	M. Tech	M.G University	Cyber Security	24-02-2025	0	Assistant Professor	Assistant Professor		Contract	Full Time	N	01-07-2025
31.	Ms. Vidhya Vijayan	M. Tech	KTU	Computer Science & Engineering	01-07-2024	1	Assistant Professor	Assistant Professor		Contract	Full Time	N	Maternity Leave 30-06-2025
32.	Ms. Leema Mathew	M.Tech	CUSAT	Computer & Information Science	29-08-2022	2	Assistant Professor	Assistant Professor		Regular		N	28-06-2025
33.	Ms. Shini Sam	M. Tech	Karunya University	Network and Internet Engineering	17-07-2024	1	Assistant Professor	Assistant Professor		Contract	Full Time	N	28-06-2025
34.	Ms. Cinu Skaria	ME	Anna University	Computer Science & Engineering	22-08-2022	2	Assistant Professor	Assistant Professor		Regular		N	30-05-2025
35.	Mr. Bibin Vincent	M. Tech	Karunya University	Network and Internet Engineering	19-08-2024	1	Assistant Professor	Assistant Professor		Contract	Full Time	N	24-05-2025
36.	Ms. Nimina George	M.Tech	KTU	Computer Science & Engineering - Data Security	01-11-2021	4	Assistant Professor	Assistant Professor		Regular		N	07-05-2025
37.	Ms. Suchithra S	M. Tech	CUSAT	Software Engineering	02-08-2023	1	Assistant Professor	Assistant Professor		Regular		N	7-01-2025
38.	Ms. Sreeja S	ME	Anna University	Computer Science & Engineering	02-08-2023	1	Assistant Professor	Assistant Professor		Regular		N	31-12-2024

39.	Ms. Philo Sumi	M. Tech	Calicut University	Computer Science & Engineering	21-08-2023	1	Assistant Professor	Assistant Professor		Regular		N	13-12-2024
40.	Ms. Leda Kamal	M.Tech	Anna University	Computer Science & Engineering	09-08-2007	17	Lecturer	Assistant Professor		Regular		N	29-11-2024
41.	Mr. Baazil P Thampy	ME	Anna University	Computer Science & Engineering	24-08-2023	1	Assistant Professor	Assistant Professor		Contract	Full Time	N	23-08-2024
42.	Mr. Jacob Jose Chemmankuzha	M. Tech	KTU	Network Engineering	24-08-2023	1	Assistant Professor	Assistant Professor		Contract	Full Time	N	17-08-2024
43.	Dr. Jesna Anver	Ph.D	CUSAT	Computational Engineering & Networking-Computer Vision and Machine Learning	07-01-2013	9	Associate Professor	Associate Professor	07-01-2013	Regular	Transferred to EL	Y	01-08-2024
44.	Dr. Saira Varghese	Ph.D	Anna University	Computer Science & Engineering - Data Security	11-06-2007	15	Lecturer	Assistant Professor	01-01-2023	Regular		N	15-07-2024
45.	Ms. Mithu Mary George	M.Tech	CUSAT	Computer Science & Engineering - Data Security	17-06-2013	9	Lecturer	Assistant Professor		Regular			31-01-2024
46.	Ms. Rinu Rose George	ME	Anna University	Computer Science & Engineering	17-06-2013	10	Assistant Professor	Assistant Professor		Regular		N	11-09-2023
47.	Ms. Sherine Sebastian	M.Tech	CUSAT	Computer Science & Engineering - Image Processing	01-11-2021	1	Assistant Professor	Assistant Professor		Regular		N	11-09-2023

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

S. No.	Name of the Faculty	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/	Nature of Association (Regular/ Contract/ Ad	If contractual mention Full time or (Part time or	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is " No")
1.	Dr Rasmi P.S	Ph.D. In Data Security	Anna University Chennai	Cryptography and Data Security	15-10-2009	16	Lecturer	Professor	01-07-2024	Regular		Y	
2.	Kurien Thampy	M.Tech (Computer Science	Anna University	Theory of Computation	20-06-2011	14	Lecturer	Asst Professor	NIL	Regular		Y	
3.	Smitha Mohan M	M.Tech (Computer Sceince & Engineering	Anna University	Data Security	04-09-2007	18	Lecturer	Asst Professor	NIL	Regular		Y	
4.	Ajayakumar M V	ME (Computer Science)	Anna University	Network Security	01-12-2011	14	Lecturer	Asst Professor	NIL	Regular		Y	
5.	Sandhya C P	M.E. (CSE)	Anna University Chennai	Databases Management System	04-06-2012	13	Lecturer	Asst Professor	NIL	Regular		Y	
6.	Neomi Nelin Nicholas	Mtech-Computer Science And Engineering (Data Security	CUSAT	Data Security	14-11-2014	11	Lecturer	Asst Professor	NIL	Regular		Y	
7.	Priya Saira Mathews	ME .CSE	Anna University Chennai	Computer Networks	1-6-22	3	Asst Professor	Asst Professor	NIL	Regular		Y	
8.	Nifasath Piyar S	ME CSE	Anna University Chennai	Data Structures and Machine Learning	5-2-25	0	Asst Professor	Asst Professor	NIL	Contract	Full Time	Y	

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

Year	CAY (2025-26)	CAYm1(2024-25)	CAYm2(2023-24)
UG ₁ . B	153	124	122
UG ₁ . C	124	122	90
UG ₁ . D	122	90	92
UG ₁ (UG-Engineering-CSE)	399	336	304
...			
UG ₂ . B	30	30	30
UG ₂ . C	30	30	30
UG ₂ . D	30	30	30
UG ₁ (UG-Engineering- (Information Technology))	90	90	90
PG ₁ . A	21	21	12
PG ₁ . B	21	12	12
PG ₁ (PG-Engineering-CSE – Data Sciences)	42	33	24
....			
PG _m . A			
PG _m . B			
PG _m			
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)	531	459	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)	36	26	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)	14.75	17.65	14.93
Average SFR for 3 years	15.78		

C3: Faculty Qualification**Table No.C3.1:** Faculty qualification.

Year	X	Y	RF	FQI= 2.5 * [(10X + 4Y)/RF]
CAY	4	32	26	16.15
CAYm1	4	22	22.00	14.55
CAYm2	5	23	20	17.75

C4: Faculty Cadre Proportion**Table No.C4.1:** Faculty cadre proportion details.

Year	Professors		Associate Professors		Assistant Professors	
	Required Faculty(RF1)	Available Faculty(AF1)	Required Faculty(RF2)	Available Faculty(AF2)	Required Faculty(RF3)	Available Faculty(AF3)
CAY	2	2	5	2	17	16
CAYm1	2	2	5	1	15	17
CAYm2	2	1	4	4	13	19
Average Numbers	2	1.67	4.67	2.33	15	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) 2024-25					
Sl. 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 Hours
2.	Dr. Prem Shankar	Associate Professor, Dept of AI	Providence College of Engineering	Introduction to Machine learning (Honors & Minor based add on course)	25 Hours
3.	Ms. Shamna Parakkal	Data Engineer	Freston Analytics	Introduction to Deep Learning (Honors & Minor based add on course)	20 Hours
(CAYm2) 2023-24					
1.	Ms. Shamna Parakkal	Data Engineer	Freston Analytics	Introduction to Data Engineering (S6 Elective course based add on course)	10 Hours
2.	Mr. Anish S Nair	CEO	Logix space Technologies	Introduction to Full Stack Development	60 Hour
(CAYm3) 2022-23					
1.	Mr. Lomin Joy	Project Engineer in Embedded System	IIT Palakkad	Deploying Machine Learning Models on an Edge Device (Project based add on course)	15 Hours
2.	Ms. Shamna Parakkal	Data Engineer	Freston Analytics	Introduction to Data Engineering (S6 Elective course based add on course)	25 Hours
3.	Mr. Abdul Saleem P O	Technical Director	Freston Analytics	Python Programming Workshop	52 Hours

C6: Academic Research

Table No. C6.1: Faculty publication details.

S.N.	Item	CAYm1	CAYm2	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.

Sl No	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)
CAYm1(24-25)							
	NIL	NIL	NIL				
Amt Received(Rs)							0.0
CAYm2(23-24)							
1	Dr Saira Varghese	Mr Jacob Jose Chemman kuzha	Dept. of CSE	Automatic Smart FishTank Cleaner	KTU CERD	1 year	0.36
2	Dr Sreela Sreedhar,Ms Philo Sumy	Ms.Philo Sumi	Dept. of CSE	First Aid Pro	Freston Analytics Pvt Ltd	1 year	0.75
Amt Received(Rs)							1.11
CAYm3(22-23)							
1	Ms Sherine Sebastian	Nil	Dept. of CSE	Air Quality Analyzer with Time Series based Dashboard	District Industries Center,Ernakulam	1 year	0.48
2	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
Amt Received(Rs)							9.28
Total amount received for the past 3 years							10.39

C8: Consultancy Work**Table No. C8.1:** List of consultancy projects received from external agencies.

Sl No	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)
CAYm1(24-25)							
	Nil			Nil			
Amt Received(Rs)							0
CAYm2(23-24)							
1	Dr Sreela Sreedhar		Dept of CSE	ProSEED	Freston Analytics Pvt Ltd	One Month	0.23
2	Dr Sreela Sreedhar		Dept of CSE	FOSS Tech Venture	ICFOSS	4/3/2024	0.26
Amt Received(Rs)							0.49
CAYm3(22-23)							
1	Dr Sreela Sreedhar	Nil	Dept of CSE	Cyber and Information Security	CDAC	2 days	0.20
Amt Received(Rs)							0.20
Total amount received for the past 3 years							Rs 0.69

9: 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.

Table No. CS-1: List of faculty members received seed money or internal research grant from the institution.							
S.N.	Faculty name	Project title/ Support for Activity	Duration	Amount (Lacs)	Amount (Lacs)	Utilized	Outcomes the project
CAYm1							
1	NIL	NIL	NIL	0.0	0.0		NIL
..							
Amount received (Rs.)					0		
CAYm2							
1	NIL	NIL	NIL	0.0	0.0		NIL
..							
Amount received (Rs.)					0		
CAYm3							
1	NIL	NIL	NIL	0.0	0.0		NIL
..							
Amount received (Rs.)					0		
Total amount (Lacs) received for the past 3 years					0		

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	No. of students per setup (Batch Size)	Name of the major 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 (1)	CLIENT -34 INTEL CORE i5, 8GB RAM(DDR3), 480 GB SSD Software/Tools: GCC compiler, Java , Jupyter Notebook. Microprocessor tools: 8086 trainer kit(s), MASM, DOSBox emulator.	30 hours - Data Structures Lab - Algorithmic Thinking with Python - System Software & Microprocessors Lab - Operating Systems Lab	Ms. Devika Rajan	Lab Instructor Grade II	B.Tech CS
2	Application Software Lab	34 (1)	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 Express Edition, Apache Cassandra GCC compiler, Java Flex, Bison (byacc), iVerilog, Logisim, Jupyter Notebook.	30 hours - Algorithmic Thinking with Python - Database Management System Lab - Programming in C	Ms. Jisha P T	Lab Instructor Grade II	M.Sc CS PGDCA
3	Machine Learning Lab	30(1)	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 Software/Tools: Java, GCC compiler, Ripes, iVerilog, Logisim, Jupyter Notebook	31 hours - COA Project - IT workshop - Digital Lab - C Programming Lab	Mr. Amal M Das	Lab Instructor Grade II	B.Tech ECE

4	Computing and Digital Technologies Lab	36(1)	CLIENT-36 INTEL CORE i5, 32 GB DDR4 RAM, 1TB NVME Software/Tools: Java, GCC compiler, Ripes, iVerilog, Logisim, Jupyter Notebook	28 hours - Digital Lab - COA Project - Programming in C	Ms. Fabamol. K.B	Lab Instructor Grade II	B.Tech CS
5	Data Science Lab	15(1)	CLIENT-15 INTEL CORE i5, 8 GB DDR3 RAM, 480 GB SSD Software/Tools: Anaconda (Python), Jupyter Notebook, GCC compiler, Java.	31 hours - Deep Learning Lab - Advanced Machine Learning Lab - M.Tech Dissertation phase I - M.Tech Dissertation phase II	Ms.Remya Tomy	Lab Instructor Grade II	MCA PGDCA
6	Telepresence Lab	60(1)	CLIENT-60 INTEL CORE i5, 8 GB DDR3 RAM, 480 GB SSD Software/Tools: Java, GCC compiler, Jupyter Notebook, Flex, Bison (byacc).	24 hours - C Programming Lab - IT workshop - Web Technologies Lab - Algorithmic Thinking with Python - Expert Sessions	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 Semester - IT workshop - Network Lab	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	Name of the laboratory	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;
2	Application Software Lab	
3	Machine Learning Lab	
4	Computing and Digital Technologies Lab	

5	Data Science Lab	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	Telepresence Lab	
7	Project Lab	

D3: Project Laboratory/Research Laboratory

Table No. D3.1: List of project laboratory/research laboratory /Centre of Excellence.

Sl.No	Name of the Laboratory
1	Project Lab

PART E: First Year faculty and financial Resources.

(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1: First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= $\frac{\text{No. of faculty members} ((NS1*0.8) + (NS2*0.2))}{\text{No. of required faculty (RF4)}}$ Percentage= $\frac{((NS1*0.8) + (NS2*0.2))}{RF4}$
CAY	450	22	15	0	55
CAYm1	480	24	16	0	53
CAYm2	570	28	16	0	46

E2:

Table No. E2.1: Budget and actual expenditure incurred at Institute level

	Budget ed in CFY	Actual expens es in CFY till 31.12. 2025	Budget ed in CFY m1	Actual Expens es in CFY m1	Budget ed in CFY m2	Actual Expens es in CFY m2	Budget ed in CFY m3	Actual Expens es in CFY m3
Infrastructure Built-Up	38,00,000	28,84,185	26,00,000	23,75,445	8,00,000	6,25,786	12,50,000	11,07,788
Library	35,00,000	27,79,682	35,00,000	33,51,460	31,00,000	29,17,670	27,00,000	26,29,599
Laboratory Equipment	1,27,61,600	79,64,860	1,10,35,000	1,03,74,865	33,62,000	32,73,271	69,00,500	83,64,798
Teaching and NonTeaching Staff Salary	12,20,00,000	9,16,67,044	11,40,00,000	11,39,00,726	11,05,00,000	11,02,96,330	11,00,00,000	10,87,77,371
Outreach programs	42,000	3,105	50,500	32,664	33,000	26,250	39,000	6,605
R&D	11,17,000	7,97,006	3,87,000	3,45,664	3,00,000	2,48,216	7,00,000	6,38,317
Training Placement and Industry Linkage	57,25,000	42,05,924	43,68,000	40,04,126	36,28,000	32,45,828	34,45,000	29,57,092
SDG'S	1,43,500	1,02,900	1,82,000	1,74,698	3,34,000	3,25,105	2,78,000	70,000
Entrepreneurship	2,00,000	0	1,50,000	1,12,000	0	0	0	0
Others ,Specify	6,37,97,000	4,93,14,181	5,97,10,500	5,74,81,134	6,19,64,300	6,04,90,540	5,94,28,500	5,68,32,291
Total Amount	21,30,86,100	15,97,18,887	19,59,83,000	19,21,52,782	18,40,21,300	18,14,48,996	18,47,41,000	18,13,83,861

E3:

Table No. E3.1: Budget and actual expenditure incurred at program level

Items	Budgeted in 2025-2026	Actual expenses in 2025-2026 (till December 31st)	Budgeted in 2024-2025	Actual Expenses in 2024-2025	Budgeted in 2023-2024	Actual Expenses in 2023 - 2024	Budgeted in 2022-2023	Actual Expenses in 2022-2023
Laboratory equipment	2036000	1802500	600000	599851	85000	104430	1678000	1672043
Software	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

SDGs	25000	10000	30000	30391	80000	82200	12000	12000
Support for faculty development	50000	45000	Nil	Nil	35000	33715	20000	21830
R & D	10000	Nil	35000	32875	144000	139240	215000	214411
Industrial Training, Industry expert, Internship	1265000	1109323	790000	773649	533500	473030	343000	322048
Miscellaneous expenses *	595000	253338	865000	837871	379500	357879	202000	170773
Total amount	3981000	3220161	2320000	2274637	1257000	1190494	2470000	2413105