

**NATIONAL BOARD OF ACCREDITATION**

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

<b>Program Name</b> : Artificial Intelligence and Data Science	<b>Discipline</b> : Engineering & Technology
<b>Level</b> : Under Graduate	<b>Tier</b> : 2
<b>Application No</b> : 11219	<b>Date of Submission</b> : 18-12-2025

**PART A- Profile of the Institute**

<b>A1. Name of the Institute:</b> JYOTHI ENGINEERING COLLEGE	
Year of Establishment : 2002	Location of the Institute: Cheruthuruthy Thrissur
<b>A2. Institute Address:</b> JYOTHI HILLS, PANJAL ROAD VETTIKATTIRI P.O. CHERUTHURUTHY,	
City:Trichur	State:Kerala
Pin Code:679531	Website:www.jecc.ac.in
Email:principal@jecc.ac.in	Phone No(with STD Code):04884-259000
<b>A3. Name and Address of the Affiliating University (if any):</b>	
Name of the University : APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY	City: Thiruvananthapuram
State : Kerala	Pin Code: 695016
<b>A4. Type of the Institution:</b> Self-Supported Institute	
<b>A5. Ownership Status:</b> 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	Artificial Intelligence and Data Science	2020	--	Artificial Intelligence and Data Science
2	Engineering & Technology	PG	Artificial Intelligence and Data Science	2025	--	Computer Science and Engineering
3	Engineering & Technology	UG	Civil Engineering	2012	--	Civil Engineering
4	Engineering & Technology	PG	Communication Engineering & Signal Processing	2017	2025	Electronics and Communication Engineering
5	Engineering & Technology	PG	Computer Science and Engineering	2013	--	Computer Science and Engineering
6	Engineering & Technology	UG	Computer Science and Engineering	2002	--	Computer Science and Engineering
7	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2023	--	Computer Science and Engineering (Cyber Security)
8	Engineering & Technology	UG	Electrical and Electronics Engineering	2002	--	Electrical and Electronics Engineering
9	Engineering & Technology	UG	Electronics & Communication Engineering	2002	--	Electronics and Communication Engineering
10	Engineering & Technology	PG	Industrial Automation & Robotics	2019	--	Mechanical Engineering
11	Engineering & Technology	UG	Mechanical Engineering	2004	--	Mechanical Engineering
12	Engineering & Technology	UG	Mechatronics Engineering	2017	--	Mechatronics Engineering
13	Engineering & Technology	PG	Power Electronics	2012	2025	Electrical and Electronics Engineering

14	Engineering & Technology	UG	Robotics and Automation	2020	2023	Robotics and Automation
15	Engineering & Technology	PG	Transportation Engineering	2017	--	Civil Engineering

**A7. Programs to be considered for Accreditation vide this Application:**

Table No. A7.1: List of programs to be considered for accreditation.

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Artificial Intelligence and Data Science	Yes	Artificial Intelligence and Data Science	UG
Mechatronics Engineering	Yes	Mechatronics 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
Computer Science and Engineering	Computer Science and Engineering	UG
Computer Science and Engineering	Computer Science and Engineering	PG
Computer Science and Engineering	Artificial Intelligence and Data Science	PG
Computer Science and Engineering (Cyber Security)	Computer Science and Engineering (Cyber Security)	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 ARRO DETAILS
1	Artificial Intelligence and Data Science	UG	2020 / --	60	Yes	2025	120	2025	South-West/1-44640838012/2025/E

**Sanctioned Intake for Last Five Years for the Artificial Intelligence and Data Science**

Academic Year	Sanctioned Intake
2025-26	120
2024-25	90
2023-24	60
2022-23	60
2021-22	60
2020-21	60

## 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	AI/ AF
1	Computer Science and Engineering	Artificial Intelligence and Data Science	PG	2025 / --	12	No	NA	12	2025	Sc
2	Computer Science and Engineering	Computer Science and Engineering	PG	2013 / --	24	Yes	2020	6	2020	Sc Cc

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	AI/ AF
<b>Sanctioned Intake for Last Five Years for the Computer Science and Engineering</b>										
<b>Academic Year</b>			<b>Sanctioned Intake</b>							
2025-26			6							
2024-25			6							
2023-24			6							
2022-23			6							
2021-22			6							
2020-21			6							
3	Computer Science and Engineering	Computer Science and Engineering	UG	2002 / --	60	Yes	2023	180	2023	Sc 36 1
<b>Sanctioned Intake for Last Five Years for the Computer Science and Engineering</b>										
<b>Academic Year</b>			<b>Sanctioned Intake</b>							
2025-26			180							
2024-25			180							
2023-24			180							
2022-23			120							
2021-22			120							
2020-21			120							
4	Computer Science and Engineering (Cyber Security)	Computer Science and Engineering (Cyber Security)	UG	2023 / --	60	No	NA	60	2023	Sc 36 1

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

A. Name of the HoD :	Mr. Shine P Xavier
B. Nature of appointment:	Regular
C. Qualification:	M.Tech

**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)	120	90	60	60	60	60	0
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	98	88	53	58	49	51	0
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	3	3	3	3	0	0

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	5	4	3	3	3	3	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	103	95	59	64	55	54	0

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)	120	98	5	85.83
2024-25 (CAYm1)	90	88	4	102.22
2023-24 (CAYm2)	60	53	3	93.33

Average  $[(ER1 + ER2 + ER3) / 3] = 93.79 \approx 20.00$

#### 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).	63.00	60.00	0.00
B=No. of students who graduated from the program in the stipulated course duration	46.00	43.00	0.00
Success Rate (SR)= (B/A) * 100	73.02	71.67	0.00

Average SR of three batches  $((SR_1 + SR_2 + SR_3)/3)$ : 72.34

#### 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)	6.95	7.04	6.84
Y=Total no. of successful students	91.00	56.00	61.00
Z=Total no. of students appeared in the examination	91.00	56.00	61.00
API $[X*(Y/Z)]$	6.95	7.04	6.84

Average API  $[(AP1+AP2+AP3)/3]$  : 6.94

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

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

Academic Performance	CAYm1 ( 2024-25 )	CAYm2 ( 2023-24 )	CAYm3 ( 2022-23 )
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2nd year/10)	6.80	6.28	6.80
Y=Total no. of successful students	59.00	64.00	55.00
Z=Total no. of students appeared in the examination	56.00	61.00	52.00
API $[X * (Y/Z)]$	7.16	6.59	7.19

Average API  $[(AP1 + AP2 + AP3)/3]$  : 6.98

#### 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)	6.62	7.08	6.58
Y=Total no. of successful students	64.00	55.00	54.00

Z=Total no. of students appeared in the examination	64.00	55.00	54.00
API [ X*(Y/Z) ]:	6.62	7.08	6.58

Average API [ (AP1 + AP2 + AP3)/3 ] : 6.76

**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	63.00	60.00	0.00
X=No. of students placed	26.00	30.00	0.00
Y=No. of students admitted to higher studies	6.00	3.00	0.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$ :	50.79	55.00	0.00

Average Placement Index =  $(P_1 + P_2 + P_3)/3$ : 52.90 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)	Cur Ass (Y/N)
1	Dr. Parvathy Jyothi	XXXXXXXX80J	Ph.D	Kalasalingam University	AI in Healthcare	20/12/2021	3.11	Assistant Professor	Assistant Professor		Regular	No
2	Dr. Sandeep C S	XXXXXXXX39M	Ph.D	UNIVERSITY OF KERALA	BIOMEDICAL ENGINEERING/ ARTIFICIAL INTELLIGENCE	04/08/2025	0.3	Associate Professor	Associate Professor	04/08/2025	Regular	Yes
3	Mr. Shine P Xavier	XXXXXXXX18R	M.Tech	Calicut University	Computer Science and Engineering	16/01/2023	2.11	Assistant Professor	Assistant Professor		Regular	Yes
4	Mr. Jayakrishnan A	XXXXXXXX47L	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	29/07/2022	3.4	Assistant Professor	Assistant Professor		Regular	Yes
5	Mr. Bineesh M	XXXXXXXX36B	M.E.	Anna University	COMPUTER AND COMMUNICATION	27/11/2006	19	Lecturer	Assistant Professor		Regular	Yes
6	Dr. Anoop V	XXXXXXXX34M	Ph.D	VTU- Karnataka	Communication Engineering and Signal Processing	27/06/2018	7.5	Associate Professor	Professor	02/01/2020	Regular	Yes
7	Ms. Divya Konikkara	XXXXXXXX01E	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	12/10/2022	3.2	Assistant Professor	Assistant Professor		Regular	Yes
8	Ms. Anjali O	XXXXXXXX70C	M.Tech	Calicut University	Computer Science and Engineering	04/07/2023	2.5	Assistant Professor	Assistant Professor		Regular	Yes
9	Ms. Nikhitha N	XXXXXXXX08H	M.Tech	APJ Abdul Kalam Technological University	Computational Linguistics	24/06/2024	1.5	Assistant Professor	Assistant Professor		Regular	Yes
10	Mr. Jithin K C	XXXXXXXX75N	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	17/07/2024	1.5	Assistant Professor	Assistant Professor		Regular	Yes

11	Mr. Arjun K M	XXXXXXXX02B	M.Tech	APJ Abdul Kalam Technological University	Industrial Automation and Robotics	18/09/2023	2.2	Assistant Professor	Assistant Professor		Regular	Yes
12	Ms. Leeshma O V	XXXXXXXX56D	M.Tech	APJ Abdul Kalam Technological University	Computational Linguistics	02/07/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes
13	Ms. Reni Jose	XXXXXXXX40G	M.Tech	APJ Abdul Kalam Technological University	Computational Linguistics	04/07/2023	2.4	Assistant Professor	Assistant Professor		Regular	Yes
14	Ms. Neenu Jose	XXXXXXXX29D	M.E.	Anna University	Computer Networking and Engineering	13/01/2025	0.11	Assistant Professor	Assistant Professor		Regular	Yes
15	Ms. Sindhu S	XXXXXXXX86B	M.Tech	Anna University	Information Technology	01/07/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes
16	Dr. Sajitha A S	XXXXXXXX75C	Ph.D	Karunya University	Cryptography	24/11/2025	0	Associate Professor	Associate Professor	24/11/2025	Regular	Yes
17	Dr. Seenia Francis	XXXXXXXX87R	Ph.D	NIT Calicut	AI in Healthcare	02/07/2007	18.5	Lecturer	Associate Professor	11/07/2023	Regular	Yes
18	Ms. Linta A T	XXXXXXXX92Q	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	17/11/2025	0	Assistant Professor	Assistant Professor		Regular	Yes
19	Ms. Aparna Raj C T	XXXXXXXX74E	M.Tech	APJ Abdul Kalam Technological University	Computational Linguistics	04/07/2023	0.8	Assistant Professor	Assistant Professor		Regular	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
1	Saju CJ	XXXXXXXX68E	XXXXXXXXXX259	M.E.	Anna University	Computer Networks	16/09/2022	3.3	Assistant Professor	Assistant Professor	
2	Dr Geethu Mary George	XXXXXXXX60B	XXXXXXXXXX746	Ph.D	Anna University	Block Chain, Wearable IoT devices	18/07/2024	1.4	Assistant Professor	Associate Professor	10/01/2025
3	Ms. Archana C V	XXXXXXXX45D	XXXXXXXXXX398	Ph.D	APJ Abdul Kalam Technological University	Cyber Security	02/06/2025	0.6	Assistant Professor	Assistant Professor	
4	Ms. sagna L T	XXXXXXXX79K	XXXXXXXXXX737	M.Tech	APJ Abdul Kalam Technological University	Signal Processing	02/06/2025	0.6	Assistant Professor	Assistant Professor	
5	Mr. Ajay G	XXXXXXXX00L	XXXXXXXXXX076	M.Tech	APJ Abdul Kalam Technological University	Cybersecurity, Computer science engineering	25/07/2025	0.4	Assistant Professor	Assistant Professor	
6	Mr. Thomas George K	XXXXXXXX55D	XXXXXXXXXX589	M.Tech	VIT, Vellore	Database Systems, Computer Networks	01/09/2004	21.3	Assistant Professor	Assistant Professor	
7	Ms. Urmila M M	XXXXXXXX10E	XXXXXXXXXX490	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	07/07/2025	0.5	Assistant Professor	Assistant Professor	

8	Ms. Remya M	XXXXXXXX04G	XXXXXXXXXX716	M.Tech	Calicut University	Cyber Security	17/11/2025	0	Assistant Professor	Assistant Professor	
9	Dr. SAJU P JOHN	XXXXXXXX33Q	XXXXXXXXXX345	Ph.D	Cochin University of Science and Technology	Computer Science and Engineering	04/01/2021	4.9	Professor	Professor	04/01/2021
10	Dr. R VIJAYAKUMAR	XXXXXXXX59P	XXXXXXXXXX373	Ph.D	University of Kerala	Computer Science and Engineering	09/03/2020	5.9	Professor	Professor	09/03/2020
11	Dr.JARIN T	XXXXXXXX93A	XXXXXXXXXX287	Ph.D	Anna University	Information and Communication Engineering	15/07/2016	9.5	Associate Professor	Professor	01/01/2025
12	Dr. SWAPNA B SASI	XXXXXXXX46E	XXXXXXXXXX426	Ph.D	Karpagam Academy of Higher Education	Computer Science and Engineering	09/07/2009	16.5	Assistant Professor	Associate Professor	11/02/2020
13	Dr. VALANTO ALAPPAT	XXXXXXXX03F	XXXXXXXXXX664	Ph.D	Sathyabama Institute of Science and Technology	Computer Science and Engineering	01/02/2023	2.10	Associate Professor	Associate Professor	
14	Dr.SHINY M I	XXXXXXXX87F	XXXXXXXXXX684	Ph.D	Amrita Vishwa Vidyapeetham	VLSI-Hardware Security	14/08/2007	18.4	Assistant Professor	Associate Professor	01/08/2023
15	Dr.SHYJITH M B	XXXXXXXX07P	XXXXXXXXXX467	Ph.D	Noorul Islam Centre for Higher Education	Computer Science and Engineering	01/07/2024	1.5	Associate Professor	Associate Professor	01/07/2024
16	Sr. Dr. MERCY JOSEPH	XXXXXXXX04F	XXXXXXXXXX662	Ph.D	Bharathiar University	Computer Science and Engineering	01/01/2025	0.11	Associate Professor	Associate Professor	01/01/2025
17	Ms. ASWATHY WILSON	XXXXXXXX36E	XXXXXXXXXX511	M.E.	Karunya University	Computer Science and Engineering	30/04/2007	18.7	Assistant Professor	Assistant Professor	
18	Mr. ANEESH CHANDRAN	XXXXXXXX80M	XXXXXXXXXX759	M.E.	Anna University Tiruchirappalli	Computer and Communication Engineering	09/01/2008	17.11	Assistant Professor	Assistant Professor	
19	Mr. SHAIJU PAUL	XXXXXXXX42J	XXXXXXXXXX513	M.Tech	Karunya University	Network and Internet Engineering	17/06/2011	14.6	Assistant Professor	Assistant Professor	
20	Ms. NINU FRANCIS	XXXXXXXX02R	XXXXXXXXXX637	M.E.	Anna University, Chennai	Computer Science and Engineering	03/08/2015	10.4	Assistant Professor	Assistant Professor	
21	Ms LUFIYA GEORGE C	XXXXXXXX06H	NA	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	17/08/2019	6.4	Assistant Professor	Assistant Professor	
22	Ms SAJITHA I	XXXXXXXX19B	XXXXXXXXXX461	M.E.	Anna University	Computer Science and Engineering	08/08/2019	6.4	Assistant Professor	Assistant Professor	
23	Ms. SONA SHAJU K	XXXXXXXX10K	XXXXXXXXXX686	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	20/12/2021	3.11	Assistant Professor	Assistant Professor	
24	Ms. SONIA A JOSEPH	XXXXXXXX51K	XXXXXXXXXX341	M.Tech	University of Kerala	Network Engineering	20/12/2021	3.11	Assistant Professor	Assistant Professor	
25	Ms. JYOTHSNA G K	XXXXXXXX19A	XXXXXXXXXX607	M.Tech	University of Calicut	Computer Science and Engineering	20/12/2021	3.11	Assistant Professor	Assistant Professor	
26	Ms. NEERAJA JAMES	XXXXXXXX70Q	XXXXXXXXXX247	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	04/08/2022	3.4	Assistant Professor	Assistant Professor	

27	Ms. ANUMOL C S	XXXXXXXX95H	XXXXXXXXXX294	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	16/01/2023	2.10	Assistant Professor	Assistant Professor	
28	Mr. VYSAGH M	XXXXXXXX37F	XXXXXXXXXX174	M.Tech	University of Calicut	Computer Science and Engineering	01/02/2023	2.10	Assistant Professor	Assistant Professor	
29	Mr. ARUN K	XXXXXXXX64C	XXXXXXXXXX916	M.Tech	University of Calicut	Computer Science and Engineering	01/02/2023	2.10	Assistant Professor	Assistant Professor	
30	Ms. NEETHU T V	XXXXXXXX92R	XXXXXXXXXX081	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	01/02/2024	1.10	Assistant Professor	Assistant Professor	
31	Ms. REEDHU SAJI	XXXXXXXX78G	XXXXXXXXXX239	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	29/07/2024	1.4	Assistant Professor	Assistant Professor	
32	Ms. APARNA MOHAN	XXXXXXXX49K	XXXXXXXXXX794	M.Tech	University of Calicut	Computer Science and Engineering	02/12/2024	1	Assistant Professor	Assistant Professor	
33	Ms. RIYA JACOB	XXXXXXXX43L	XXXXXXXXXX901	M.Tech	APJ Abdul Kalam Technological University	Embedded Systems	02/12/2024	1	Assistant Professor	Assistant Professor	
34	Mr. DINTO DAVI T	XXXXXXXX42E	XXXXXXXXXX466	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	02/05/2025	0.7	Assistant Professor	Assistant Professor	
35	Ms. ATHIRA K P	XXXXXXXX27B	XXXXXXXXXX251	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	16/06/2025	0.6	Assistant Professor	Assistant Professor	
36	Ms. SONIYA JOSEPH	XXXXXXXX08B	XXXXXXXXXX650	M.Tech	University of Calicut	Computer Science and Engineering	01/07/2025	0.5	Assistant Professor	Assistant Professor	
37	Neethu Joseph	XXXXXXXX87J	XXXXXXXXXX662	M.Tech	University of Calicut	Computer Science and Engineering	01/09/2022	2.4	Assistant Professor	Assistant Professor	
38	Anil Antony	XXXXXXXX66F	XXXXXXXXXX278	M.E.	Anna University, Chennai	Information and Communication Engineering	25/06/2007	16.6	Assistant Professor	Assistant Professor	
39	Dr. P SOJAN LAL	XXXXXXXX97A	XXXXXXXXXX299	Ph.D	Cochin University of Science and Technology	Computer Science and Engineering	02/05/2025	0.7	Professor	Professor	02/05/2025
40	Dr. Sobha Xavier P	XXXXXXXX78N	XXXXXXXXXX362	Ph.D	Christ University	Computer Science and Engineering	04/02/2009	16.10	Assistant Professor	Associate Professor	01/08/2025
41	Dr. SUNNY JOSEPH KALAYATHINKAL	XXXXXXXX78E	NA	Ph.D	Bharathiar University	Computer Science and Engineering	01/12/2020	3.7	Professor	Professor	01/12/2020

**C2. Student-Faculty Ratio (SFR)**

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):

UG1=1st UG program

UGn=nth UG program

**B**= No. of Students in UG 2nd year (ST)**C**= No. of Students in UG 3rd year (ST)**D**= No. of Students in UG 4th year (ST)

No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):

PG1=1st PG program.

PGm=mth PG program

**A**= No. of Students in PG 1st year

**B**= No. of Students in PG 2nd year

Student Faculty Ratio (**SFR**) = S/F

S= No. of students of all programs in the Department including all students of allied departments/clusters.

**No. of students (ST)**=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)

Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.

**F**=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

No. of UG Programs in the Department1 No. of PG Programs in the Department2

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	93	63	63
UG1.C	63	63	63
UG1.D	63	63	60
<b>UG1: Artificial Intelligence and Data Science</b>	<b>219</b>	<b>189</b>	<b>186</b>
UG2.B	63	62	0
UG2.C	62	0	0
UG2.D	0	0	0
<b>UG2: Computer Science and Engineering (Cyber Security)</b>	<b>125</b>	<b>62</b>	<b>0</b>
UG3.B	186	189	123
UG3.C	189	123	123
UG3.D	123	123	120
<b>UG3: Computer Science and Engineering</b>	<b>498</b>	<b>435</b>	<b>366</b>
DS=Total no. of students in all UG and PG programs in the Department	219	189	186
AS=Total no. of students of all UG and PG programs in allied departments	647	509	378
S=Total no. of students in the Department (DS) and allied departments (AS)	<b>S1= 866</b>	<b>S2= 698</b>	<b>S3= 564</b>
DF=Total no. of faculty members in the Department	15	12	9
AF= Total no. of faculty members in the allied Departments	36	26	24
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	<b>F1= 51</b>	<b>F2= 38</b>	<b>F3= 33</b>
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)	<b>SFR1= 16.98</b>	<b>SFR2= 18.37</b>	<b>SFR3= 17.09</b>
Average SFR for 3 years	<b>SFR= 17.48</b>		

### C3. Faculty Qualification

- Faculty qualification index (FQI) =  $2.5 * [(10X + 4Y)/RF]$  where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = $2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	14	37	43.00	16.74
2024-25(CAYm1)	10	28	34.00	15.59
2023-24(CAYm2)	9	24	28.00	16.61

### 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	4.00	4.00	9.00	9.00	28.00	38.00
2024-25	3.00	3.00	7.00	6.00	23.00	29.00
2023-24	3.00	4.00	6.00	5.00	18.00	24.00
Average	RF1=3.33	AF1=3.67	RF2=7.33	AF2=6.67	RF2=23.00	AF2=30.33

**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)

(CAYm2)

(CAYm3)

**C6. Academic Research**

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	2	3	1
2	No. of peer reviewed conference papers published	12	1	2
3	No. of books/book chapters published	1	0	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
Bineesh M		ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	SIGN LANGUAGE RECOGNITION AND TRANSLATION	KTU	one year	0.23
Arjun K M		ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	Design and Fabrication of Special Robotic Umbrella for Dynamic Display in Thrissur Pooram Kudamattam	Paramekkavu Devaswom	one year	0.83
						Amount received (Rs.):1.06

(CAYm2)

(CAYm3)

**Total Amount (Lacs) Received for the Past 3 Years: 1.06**

**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
Arjun K M		ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	A Smart Model for Tender vs. Mature Coconut Detection	Bhavan's Thrissur	One year	1.25
						Amount received (Rs.):1.25

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years: 1.25

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. Anoop V	Patent Registration	6 months	0.02	0.02	Patent Publication
Shine P Xavier	Conference Registration	6 months	0.05	0.05	SCOPUS Publication
Dr. Anoop V	Conference Registration	6 months	0.05	0.05	SCOPUS Publication
Dr. Anoop V	Conference Registration	6 months	0.05	0.05	SCOPUS Publication
Anjali O	Conference Registration	6 months	0.05	0.05	SCOPUS Publication
Anjali O	Conference Registration	6 months	0.05	0.05	SCOPUS Publication
Dr. Parvathy Jyothi	Conference Registration	6 months	0.05	0.05	SCOPUS Publication
Dr. Parvathy Jyothi	Conference Registration	6 months	0.05	0.05	SCOPUS Publication
Dr. Parvathy Jyothi	Conference Registration	6 months	0.05	0.05	SCOPUS Publication
Bineesh M	Conference Registration	6 months	0.05	0.05	SCOPUS Publication
Bineesh M	Conference Registration	6 months	0.05	0.05	SCOPUS Publication
Jayakrishnan A	Conference Registration	6 months	0.05	0.05	SCOPUS Publication
Jayakrishnan A	Conference Registration	6 months	0.05	0.05	SCOPUS Publication
Jithin K C	Conference Registration	6 months	0.05	0.05	SCOPUS Publication
Jithin K C	Conference Registration	6 months	0.05	0.05	SCOPUS Publication
Nikhitha N	Conference Registration	6 months	0.05	0.05	SCOPUS Publication
Divya Konikkara	Conference Registration	6 months	0.05	0.05	SCOPUS Publication
			Amount received (Rs.): 0.82		

(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
Dr. Anoop V	Journal	1 Year	0.10	0.10	SCI Publication
Dr. Anoop V	Journal	1 Year	0.06	0.06	SCI Publication
Dr. Anoop V	Journal	1 Year	0.06	0.06	SCI Publication
			Amount received (Rs.): 0.22		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Parvathy Jyothi	Journal	1 Year	0.05	0.05	SCI Publication
			Amount received (Rs.): 0.05		

Total amount (Lacs) received for the past 3 years : 1.09

## 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	DATA SCIENCE LAB	32	PC, PROJECTOR, ETHERNET SWITCH	6 HRS	RESHMA K G	TRADE INSTF	MCA
2	FOUNDATION LAB	32	PC, PROJECTOR, ETHERNET SWITCH	6 HRS	ANAGHA REC	TRADE INSTF	MSC CS
3	DATA ANALYTICS LAB	30	PC, PROJECTOR, ETHERNET SWITCH	6 HRS	LINET THOM/	TRADE INSTF	MSC CS
4	CC3	35	PC, PROJECTOR, ETHERNET SWITCH	6 HRS	RESHMA K G	TRADE INSTF	MCA
5	PROGRAMMING ENVIRONMENTAL LAB	35	PC, PROJECTOR, ETHERNET SWITCH	6 HRS	SUDHEESH C	TRADE INSTF	DIPLOMA
6	DATA STRUCTURES AND ALGORITHMS LAB	36	PC, PROJECTOR, ETHERNET SWITCH	7 HRS	ANEESH P B	TRADE INSTF	DIPLOMA

### D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	DATA SCIENCE LAB	• Fire extinguisher • First Aid Box in place. • A Preliminary Medical facility (clinic) is available inside campus for emergency. • Students are instructed to avoid stepping on electrical wires or any other computer cables.
2	CC3	• Fire extinguisher • First Aid Box in place. • A Preliminary Medical facility (clinic) is available inside campus for emergency. • Students are instructed to avoid stepping on electrical wires or any other computer cables.
3	PROJECT LAB	• Fire extinguisher • First Aid Box in place. • A Preliminary Medical facility (clinic) is available inside campus for emergency. • Students are instructed to avoid stepping on electrical wires or any other computer cables.
4	FOUNDATION LAB	• Fire extinguisher • First Aid Box in place. • A Preliminary Medical facility (clinic) is available inside campus for emergency. • Students are instructed to avoid stepping on electrical wires or any other computer cables.
5	DATA ANALYTICS LAB	• Fire extinguisher • First Aid Box in place. • A Preliminary Medical facility (clinic) is available inside campus for emergency. • Students are instructed to avoid stepping on electrical wires or any other computer cables.

6	PROGRAMMING ENVIRONMENTAL LAB	<ul style="list-style-type: none"> <li>• Fire extinguisher • First Aid Box in place. • A Preliminary Medical facility (clinic) is available inside campus for emergency. • Students are instructed to avoid stepping on electrical wires or any other computer cables.</li> </ul>
7	DATA STRUCTURES AND ALGORITHMS LAB	<ul style="list-style-type: none"> <li>• Fire extinguisher • First Aid Box in place. • A Preliminary Medical facility (clinic) is available inside campus for emergency. • Students are instructed to avoid stepping on electrical wires or any other computer cables.</li> </ul>

**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)	600	30	15	64	83
2024-25(CAYm1)	600	30	16	70	89
2025-26(CAY)	600	30	20	77	105

**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	750	655.4	570	585.54	150	157.38	150	184.77
Library	15	3.72	15	14.57	23.6	22.22	20	18.1
Laboratory equipment	860	708.08	710	722.26	654.04	687.5	513	457.86
Teaching and non-teaching staff	1200	868.52	960	1007.01	900	895.89	900	820.11
Outreach Programs	1	0.23	0	0	0	0	0	0
R&D	20	3.31	20	21.52	9.1	6.95	4	3.52
Training, Placement and	40	28.69	50	56.96	26.45	21.19	20	21.27
SDGs	3	2.18	0	0	0	0	0	0
Entrepreneurship	2	0.76	0	0	0	0	0	0
Others, specify	312	282.94	315	327.57	242	308.34	282	263.01
<b>Total</b>	<b>3203</b>	<b>2553.83</b>	<b>2640</b>	<b>2735.43</b>	<b>2005.19</b>	<b>2099.47</b>	<b>1889</b>	<b>1768.64</b>

**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	1950000	0	2120000	1082829.3	1710000	1063592.75	1850000	1747848
Software	0	0	0	120000	120000	120000	150000	120000
SDGs	0	0	0	0	0	0	0	0
Support for faculty development	105000	171616	105000	20821	30000	0	110000	0
R & D	20000	0	20000	37823	20000	0	20000	0
Industrial Training, Industry expert,	0	0	0	82985	0	46500	0	16000
Miscellaneous Expenses*	20000	94144	20000	23128	50000	15673	112000	20669
<b>Total</b>	<b>2095000</b>	<b>265760</b>	<b>2265000</b>	<b>1367586.3</b>	<b>1930000</b>	<b>1245765.75</b>	<b>2242000</b>	<b>1904517</b>