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: 11582	**Date of Submission**: 04-02-2026

PART A- Profile of the Institute

A1.Name of the Institute: MAHAGURU INSTITUTE OF TECHNOLOGY	
Year of Establishment : 2009	Location of the Institute: PALLICKAL PO KATTACHIRA MAVELIKARA Alappuzha Dist690503
A2. Institute Address:MAHAGURU INSTITUTE OF TECHNOLOGY,PALLICKAL PO,KATTACHIRA, MAVELIKARA,690503	
City:Alapuzzha	State:Kerala
Pin Code:690503	Website:www.mahagurutech.ac.in
Email:nbamit@mahagurutech.ac.in	Phone No(with STD Code):0479-2331696
A3. Name and Address of the Affiliating University (if any):	
Name of the University : APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY KERALA	City: Thiruvananthapuram
State : Kerala	Pin Code: 695016
A4. Type of the Institution: Non-Autonomous (Affiliated)	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **7**
- No. of PG programs: **4**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2021	--	Computer Science and Engineering
2	Engineering & Technology	UG	Civil Engineering	2009	--	Civil Engineering
3	Engineering & Technology	UG	Computer Science and Engineering	2009	--	Computer Science and Engineering
4	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2023	--	Computer Science and Engineering
5	Engineering & Technology	UG	Electrical & Electronics Engineering	2011	--	Electrical and Electronics Engineering
6	Engineering & Technology	UG	ELECTRONICS AND COMMUNICATION ENGINEERING	2009	--	Electronics and Communication Engineering
7	Engineering & Technology	PG	Machine Design	2014	--	Mechanical Engineering
8	Engineering & Technology	UG	Mechanical Engineering	2009	--	Mechanical Engineering
9	Engineering & Technology	PG	Signal Processing	2014	--	Electronics and Communication Engineering
10	Engineering & Technology	PG	Structural Engineering & Construction Management	2014	--	Civil Engineering

11	Management	PG	Master of Business Administration	2024	--	Management

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Computer Science and Engineering	Yes	Computer Science and Engineering	UG

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.
Cluster ID. Name of the Department (in table no. A7.1) Name of allied Departments/Cluster (for table no. A7.1)

Allied Department/Cluster Name	Program Name	Program Level
Computer Science and Engineering	Computer Science and Engineering (Data Science)	UG
Computer Science and Engineering	Artificial Intelligence and Machine Learning	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	2009 / --	60	Yes	2024	120	2024	F.No.South West/1-43655475100/2024/EOA 2024	Granted accreditation for 3 years for the period (specify period)	2023	2026	1	4

Sanctioned Intake for Last Five Years for the Computer Science and Engineering	
Academic Year	**Sanctioned Intake**
2025-26	120
2024-25	120
2023-24	90
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	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Computer Science and Engineering	Computer Science and Engineering (Data Science)	UG	2023 / --	60	Yes	2025	30	2025	F.No. South-West/1-44641751471/2025/EOA	Not eligible for accreditation	--	--	0	4

Sanctioned Intake for Last Five Years for the Computer Science and Engineering (Data Science)	
Academic Year	**Sanctioned Intake**
2025-26	30
2024-25	60
2023-24	60
2022-23	0
2021-22	0
2020-21	0

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 ACCREDITED	PROGRAM DURATION
2	Computer Science and Engineering	Artificial Intelligence and Machine Learning	UG	2021 / --	30	Yes	2022	60	2022	F.No.South West/1-10972963286/2022/EOA	Not eligible for accreditation	--	--	0	4

Sanctioned Intake for Last Five Years for the Artificial Intelligence and Machine Learning	
Academic Year	**Sanctioned Intake**
2025-26	60
2024-25	60
2023-24	60
2022-23	60
2021-22	30
2020-21	0

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

A. Name of the HoD :	Ms Suma S G
B. Nature of appointment:	Regular
C. Qualification:	M.E.

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	120	90	60	60	60	60

N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	68	84	71	58	54	59	43
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	2	0	1	0	0	0
N3=Separate division if any	0	0	0	2	0	0	1
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	68	86	71	61	54	59	44

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	68	0	56.67
2024-25 (CAYm1)	120	84	0	70.00
2023-24 (CAYm2)	90	71	0	78.89

Average [(ER1 + ER2 + ER3) / 3] = 68.52≡ 11.00

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).	60.00	60.00	60.00
B=No. of students who graduated from the program in the stipulated course duration	24.00	37.00	31.00
Success Rate (SR)= (B/A) * 100	40.00	61.67	51.67

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 51.11

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)	7.57	7.29	7.48
Y=Total no. of successful students	43.00	28.00	31.00
Z=Total no. of students appeared in the examination	84.00	71.00	58.00
API [X*(Y/Z)]	3.87	2.87	4.00

Average API[(AP1+AP2+AP3)/3] : 3.58

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

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

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	7.69	7.69	7.28

Y=Total no. of successful students	27.00	30.00	24.00
Z=Total no. of students appeared in the examination	28.00	32.00	26.00
API [X * (Y/Z)]	7.42	7.21	6.72

Average API [(AP1 + AP2 + AP3)/3] : 7.12

B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.80	7.33	7.02
Y=Total no. of successful students	30.00	24.00	37.00
Z=Total no. of students appeared in the examination	30.00	24.00	38.00
API [X*(Y/Z)]:	7.80	7.33	6.84

Average API [(AP1 + AP2 + AP3)/3] : 7.32

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	60.00	60.00	60.00
X=No. of students placed	43.00	30.00	30.00
Y=No. of students admitted to higher studies	2.00	18.00	16.00
Z= No. of students taking up entrepreneurship	1.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	76.67	80.00	76.67

Average Placement Index = (P_1 + P_2 + P_3)/3: 77.78 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

(Data to be filled in for the Department and Allied Departments)

C1. Faculty details of Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Ms Suma S G	XXXXXXX55Q	M.E.	Anna University	Computer Science and Engineering	05/11/2014	11.2	Assistant Professor	Assistant Professor		Regular	Yes		Yes
2	Dr Sumalatha M S	XXXXXXX47C	Ph.D	Anna University	Wireless Sensor Network Security	02/05/2024	1.9	Associate Professor	Associate Professor	02/05/2024	Regular	Yes		No
3	Ms.Vivitha Vijay	XXXXXXX30Q	M.E.	Anna University	Computer Science and Engineering	07/06/2012	13.7	Assistant Professor	Assistant Professor		Regular	Yes		No

4	Ms. Chippy T	XXXXXXX83G	M.E.	Anna University	Computer Science and Engineering	07/03/2018	7.10	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Ms.Sreelekshmi B	XXXXXXX20L	M.Tech	APJ Abdul Kalam Technological University	Computer And Information Science	18/05/2018	7.8	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Dr.Shiju Rawther	XXXXXXX19E	Ph.D	Hindustan Institute of Technology and Science	Cyber Security	29/07/2024	1.6	Professor	Professor	29/07/2024	Regular	Yes		No
7	Dr .Shaji B	XXXXXXX32Q	Ph.D	Anna University	Internet of Things and Artificial Intelligence	30/06/2025	0.7	Associate Professor	Associate Professor	30/06/2025	Regular	Yes		No
8	Ms. Preeti Mariam Mathews	XXXXXXX91F	M.E.	Sathyabama University	Computer Science and Engineering	03/08/2021	4.5	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Ms.Namitha T N	XXXXXXX69M	M.E.	Anna University	Computer Science and Engineering	05/08/2021	4.5	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Ms.Mathu Uthaman	XXXXXXX64J	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	16/08/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mr.Anub A	XXXXXXX50P	M.E.	Anna University	Computer Science and Engineering	28/07/2023	2.6	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Ms.Surya Nath R S	XXXXXXX35Q	M.Tech	Cochin University of Science & Technology	Image Processing	08/07/2023	2.6	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Ms.Hima Mohan	XXXXXXX31D	M.Tech	APJ Abdul Kalam Technological University	Computer Science & Engineering	08/07/2023	2.6	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Dr.V. SURESH KUMAR	XXXXXXX46M	Ph.D	Manonmanium Sundharanar University, Tamil Nadu	Cloud Computing	03/07/2023	1.5	Professor	Professor	03/07/2023	Regular	No	04/12/2024	No
15	Dr.Arun Elias	XXXXXXX27J	Ph.D	Anna University	Wireless Network	03/08/2020	3.10	Professor	Professor	03/08/2020	Regular	No	18/06/2024	No
16	Dr. Kannan S	XXXXXXX79G	Ph.D	Anna University	Image Processing	02/07/2024	1.7	Professor	Professor		Regular	Yes		No
17	Ms.Ahila Anil	XXXXXXX80Q	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	28/04/2025	0.9	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Ms. Chithra S Ravi	XXXXXXX47Q	M.Tech	M G University	Computer Science and Engineering	18/01/2018	7.4	Assistant Professor	Assistant Professor		Regular	No	31/05/2025	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	Ms.Dr.JayaSankar	XXXXXXX85A	XXXXXXXXX677	Ph.D	Presidency University Banglore	Computer Science and Engineering, Human Resource	02/04/2025	0.9	Associate Professor	Associate Professor	02/04/2025	Regular	Yes		No
2	Ms. Divya D S	XXXXXXX83Q	XXXXXXXXX495	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	07/07/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
3	Ms. Aswathy S	XXXXXXX57B	NA	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	22/07/2024	0.9	Assistant Professor	Assistant Professor		Regular	No	30/04/2025	No
4	Ms. Devika P	XXXXXXX36B	XXXXXXXXX055	M.Tech	Amrita University	Machine Learning	15/07/2024	0.10	Assistant Professor	Assistant Professor		Regular	No	31/05/2025	No
5	Ms. Hema H	XXXXXXX40K	49186421590	M.Tech	Karunya University	Software engineering	18/05/2018	7.1	Assistant Professor	Assistant Professor		Regular	No	23/06/2025	No
6	Dr.Asha Jose	XXXXXXX29R	XXXXXXXXX705	Ph.D	Karpagam Academy Of Higher Education	Computer Science and Engineering	03/07/2024	1.6	Associate Professor	Associate Professor	03/07/2024	Regular	Yes		Yes
7	Regina Antony	XXXXXXX52J	XXXXXXXXX831	M.Tech	MG University	Computer Science and Engineering	16/06/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Megha Lal S H	XXXXXXX76L	XXXXXXXXX086	M.Tech	Amrita Viswa vidyapeethmUniversity	Computer Science and Engineering	16/06/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Shanto Mathews	XXXXXXX97N	XXXXXXXXX122	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	30/06/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Thara T R	XXXXXXX94C	XXXXXXXXX656	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	30/06/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Shanimol Shajan	XXXXXXX02M	XXXXXXXXX180	M.Tech	APJ Abdul Kalam Technological University	Artificial Intelligence	02/07/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Akash Ajayan	XXXXXXX60N	XXXXXXXXX354	M.Tech	APJ Abdul Kalam Technological University	Artificial Intelligence	14/07/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Ms. Aparna M	XXXXXXX60H	NA	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	28/07/2023	1.9	Assistant Professor	Assistant Professor		Regular	No	30/04/2025	No

14	Ms. Geethu M Suresh	XXXXXXX00L	NA	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	15/07/2024	0.9	Assistant Professor	Assistant Professor		Regular	No	30/04/2025	No
15	Ms. Amitha R	XXXXXXX09G	NA	M.E.	Anna University	Computer Science and Engineering	07/06/2012	11.10	Assistant Professor	Assistant Professor		Regular	No	30/04/2024	No
16	Ms.Tessy Abraham Azikkakathu	XXXXXXX75E	NA	M.E.	Karunya University	Computer Science and Information Science	16/08/2022	1.8	Assistant Professor	Assistant Professor		Regular	No	30/04/2024	No
17	Ms.Akshaya K Panicker	XXXXXXX67F	XXXXXXXXX985	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	24/07/2024	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Ms.Megha Vasumohan	XXXXXXX45F	NA	M.E.	Goa University	Computer Science and Engineering	16/08/2022	1.10	Assistant Professor	Assistant Professor		Regular	No	25/06/2024	No
19	Ms.Shreyas L	XXXXXXX67J	NA	M.Tech	University of Kerala	Computer Science and Engineering	09/06/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Ms.Megha Vasumohan	XXXXXXX45F	NA	M.E.	Goa University	Computer Science and Engineering	26/06/2024	0.11	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
21	Ms. Divya P R	XXXXXXX29P	XXXXXXXXX941	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	05/06/2023	0.11	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
22	Ms. Divya P R	XXXXXXX29P	XXXXXXXXX941	M.Tech	APJ Abdul Kalam Technological University	Computer Science and Engineering	01/06/2024	1.8	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Ms.Teena Ajayan	XXXXXXX10G	XXXXXXXXX690	M.Tech	Cochin University of Science & Technology	Computer and Information Science	01/07/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Ms.Anju Raj K	XXXXXXX39P	XXXXXXXXX048	M.Tech	Cochin University of Science & Technology	Image Processing	05/06/2023	1.11	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
25	Ms.Anju Raj K	XXXXXXX39P	XXXXXXXXX048	M.Tech	Cochin University of Science & Technology	Image Processing	31/05/2025	0.8	Assistant Professor	Assistant Professor		Regular	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 Department3 No. of PG Programs in the Department0

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

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B	122	90	61
UG1.C	90	61	60
UG1.D	61	60	60
UG1: Computer Science and Engineering	**273**	**211**	**181**
UG2.B	60	61	60
UG2.C	61	60	30
UG2.D	60	30	0
UG2: Artificial Intelligence and Machine Learning	**181**	**151**	**90**
UG3.B	60	60	0
UG3.C	60	0	0
UG3.D	0	0	0
UG3: Computer Science and Engineering (Data Science)	**120**	**60**	**0**
DS=Total no. of students in all UG and PG programs in the Department	273	211	181
AS=Total no. of students of all UG and PG programs in allied departments	301	211	90
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 574	**S2=** 422	**S3=** 271
DF=Total no. of faculty members in the Department	15	14	13
AF= Total no. of faculty members in the allied Departments	14	10	7
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 29	**F2=** 24	**F3=** 20
FF=The faculty members in F who have a 100% teaching load in the first-year courses	2	2	2
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 21.26**	**SFR2= 19.18**	**SFR3= 15.06**
Average SFR for 3 years	**SFR= 18.50**		

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)	6	23	28.00	13.57
2024-25(CAYm1)	4	20	21.00	14.29
2023-24(CAYm2)	2	18	13.00	17.69

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	3.00	2.00	6.00	4.00	19.00	23.00
2024-25	2.00	2.00	4.00	2.00	14.00	20.00
2023-24	1.00	2.00	3.00	0.00	9.00	18.00
Average	RF1=2.00	AF1=2.00	RF2=4.33	AF2=2.00	RF2=14.00	AF2=20.33

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	Dr.K.Saravanan	Associate Professor	Anna University,Guindy,Chennai	Cloud Computing	25.00
2	Dr.K.Saravanan	Associate Professor	Anna University,Guindy,Chennai	Internet Of Things	25.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr.K.Saravanan	Associate Professor	Anna University,Guindy,Chennai	Cloud Computing	25.00
2	Dr.K.Saravanan	Associate Professor	Anna University,Guindy,Chennai	Internet Of Things	25.00

(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	7	21	2
2	No. of peer reviewed conference papers published	6	14	0
3	No. of books/book chapters published	7	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
Suma S G	Anub A	CSE	An Integrated approach for mitigating Human-Wildlife conflicts using YOLO, faster R-CNN and ultrasonic repellents with clahe	APJAKTU	1 year	0.28
						Amount received (Rs.):0.28

(CAYm2)

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 0.28

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
Dr Suresh Kumar	Anub A	CSE	PMKVY	Institution Quality Research and Assessment Society Ratan Nagar	1 year	16.00
Dr Sumalatha M S	Anub A	CSE	Python-Based AI Framework for Real-Time Landslide Prediction and Early Warning Using Sensor and Terrain Data	Daffo TEch Innovations LLP, THIruvananthapuram	18 months	3.00
Dr Sumalatha M S	Mathu Uthaman	CSE	Web Development, Digital Marketing and Maintanance Service	SIVAGANGA ENTERPRISES,MANNANCHERRY, PONNADU PO, ALAPPUZHA	4 year	3.00
						Amount received (Rs.):22.00

(CAYm2)

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr Arun Elias	Suma S G	CSE	Non Homogenus Dehazing of Smart Home Security Camera visuals using Deep neural networks	Msigma Pvt Ltd, Thiruvananthapuram	3 years	7.00
						Amount received (Rs.):7.00

Total amount (Lacs) received for the past 3 years: 29.00

Note*:

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

C9. Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Preeti Mariam Mathews	Smart Predictive Traffic control System	4 months	0.05	0.05	Granted Patent
Namitha T N	Privacy preserving fedarated learning in health care	6 months	0.05	0.05	Presented and published
Namitha T N	Privacy preserving fedarated learning: Foundations and algorithmic directions	6 months	0.05	0.05	Presented and published
Dr. Sumalatha M S	Algorithmic Thinking with Python	5 months	0.05	0.05	Book Publication
Hima Mohan	The complete guide to developing coding skills for programming	5 months	0.05	0.05	Book Publication
Surya Nath R S	Data Science and machine learning using Python	5 months	0.05	0.05	Book Publication
Surya Nath R S	Automatic Attendance with Mobile Cloud Computing: A Comprehensive Review and Proposed Enhancements	6 months	0.05	0.05	Presented and published
			Amount received (Rs.): 0.35		

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years : 0.35

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	Common Computing Lab	30	Intel Core i5, 8GB RAM, 480GB SSD,Core 2 Duo Processor, 2GB RAM	28 hrs	Ms.Sreevidya S	Lab Assistant	MCA
2	Hardware Lab	30	Intel i3, 4th Generation Processor, 4GB RAM, 500GB Hard Disk,Networking Rack with Patch Panel,Routers,Switches	20 hrs	Mr.Rahul R	Lab Technician	BCA
3	Programming/Language Lab	30	Intel Core i5 Processor, 8GB RAM, 480GB SSD	36 hrs	Ms.Faseela Mol K J	Lab Assistant	B Tech
4	Networking Lab	30	Intel Dual Core Processor, 4GB RAM, 500GB HDD,Intel Core i5, 8GB RAM, 480GB SSD	36 hrs	Ms.Aparna Bhadran	Computer Operator	B Tech

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures

1	Common Computer Centre	1.Fire Extinguisher and a first aid kit are provided. 2. General Rules of Conduct in Laboratories are displayed. 3. Specific safety rules for students are displayed. 4. Well-trained technical supporting staff. 5. MCBs with circuit breakers provided. 6. Switches are safely mounted in a rack. 7. Reliable grounding is provided. 8. Ensured the use of approved electrical equipment. 9. Proper data backup facility. 10. SOPHOS firewalls installed for system security. 11. Maintaining a student's log register for each lab. 12. Avoids the use of damaged equipment and provides the needed equipment and components. 13. Periodical servicing of the lab equipment. 14. Maintain a clean and organised laboratory. 15. Avoiding the use of cell phones. 16. Appropriate storage areas. 17. CCTV Camera
2	Project Lab	1.Fire Extinguisher and first aid kit are provided. 2. General Rules of Conduct in Laboratories are displayed. 3. Specific safety rules for students displayed. 4. Well-trained technical supporting staff. 5. MCBs with circuit breakers provided. 6. Switches are safely mounted in a rack. 7. Reliable grounding is provided. 8. Ensured the use of approved electrical equipment. 9. Proper data backup facility. 10. SOPHOS firewalls installed for system security. 11. Maintaining a student's log register for each lab. 12. Avoids the use of damaged equipment and provides needful equipment and components. 13. Periodical servicing of the lab equipment. 14. Maintain a clean and organised laboratory. 15. Avoiding the use of cell phones. 16. Appropriate storage areas. 17. CCTV Camera
3	Networking Lab	1.Fire Extinguisher and a first aid kit are provided. 2. General Rules of Conduct in Laboratories are displayed. 3. Specific safety rules for students are displayed. 4. Well-trained technical supporting staff. 5. MCBs with circuit breakers provided. 6. Switches are safely mounted in a rack. 7. Reliable grounding is provided. 8. Ensured the use of approved electrical equipment. 9. Proper data backup facility. 10. SOPHOS firewalls installed for system security. 11. Maintaining a student's log register for each lab. 12. Avoids the use of damaged equipment and provides the needed equipment and components. 13. Periodical servicing of the lab equipment. 14. Maintain a clean and organised laboratory. 15. Avoiding the use of cell phones. 16. Appropriate storage areas. 17. CCTV Camera
4	Programming/Language Lab	1.Fire Extinguisher and a first aid kit are provided. 2. General Rules of Conduct in Laboratories are displayed. 3. Specific safety rules for students are displayed. 4. Well-trained technical supporting staff. 5. MCBs with circuit breakers provided. 6. Switches are safely mounted in a rack. 7. Reliable grounding is provided. 8. Ensured the use of approved electrical equipment. 9. Proper data backup facility. 10. SOPHOS firewalls installed for system security. 11. Maintaining a student's log register for each lab. 12. Avoids the use of damaged equipment and provides the needed equipment and components. 13. Periodical servicing of the lab equipment. 14. Maintain a clean and organised laboratory. 15. Avoiding the use of cell phones. 16. Appropriate storage areas. 17. CCTV Camera
5	Hardware Lab	1. Proper earthing and insulated electrical wiring are provided to prevent electrical hazards. 2. MCBs (Miniature Circuit Breakers) and fuses are installed to protect equipment from electrical overload. 3. Adequate ventilation and lighting are maintained in the laboratory. 4. Workstations are arranged to allow safe movement and proper workspace for students. 5. Students are instructed to follow lab rules and safety guidelines before performing experiments. 6. All electrical connections are checked periodically to prevent short circuits. 7. Equipment is operated only under faculty or lab instructor supervision. 8. Students are instructed to switch off the power supply before assembling or disassembling hardware components. 9. Proper UPS backup and voltage stabilisers are used to protect equipment. 10. Fire extinguishers are installed in accessible locations inside or near the laboratory. 11.Students and staff are aware of emergency exit routes. 12. Flammable materials are not stored near electrical equipment. 13.Hardware components and tools are properly stored after use. 14. Only authorised users are allowed to handle lab equipment. 15. Faulty equipment is reported immediately and removed from use until repaired. 16. Students are advised to handle equipment carefully. 17. Loose wires and cables are properly arranged to avoid accidents. 18. First-aid box is available in the laboratory for minor injuries. 19. Safety instructions and laboratory rules are clearly displayed inside the lab. 20. Emergency contact numbers are displayed for quick response.
6	Research Lab	1.Fire Extinguisher and a first aid kit are provided. 2. General Rules of Conduct in Laboratories are displayed. 3. Specific safety rules for students are displayed. 4. Well-trained technical supporting staff. 5. MCBs with circuit breakers provided. 6. Switches are safely mounted in a rack. 7. Reliable grounding is provided. 8. Ensured the use of approved electrical equipment. 9. Proper data backup facility. 10. SOPHOS firewalls installed for system security. 11. Maintaining a student's log register for each lab. 12. Avoids the use of damaged equipment and provides the needed equipment and components. 13. Periodical servicing of the lab equipment. 14. Maintain a clean and organised laboratory. 15. Avoiding the use of cell phones. 16. Appropriate storage areas.
7	Fab Lab	1. Proper earthing and insulated electrical wiring are provided to prevent electrical hazards. 2. MCBs (Miniature Circuit Breakers) and fuses are installed to protect equipment from electrical overload. 3. Adequate ventilation and lighting are maintained in the laboratory. 4. Workstations are arranged to allow safe movement and proper workspace for students. 5. Students are instructed to follow lab rules and safety guidelines before performing experiments. 6. All electrical connections are checked periodically to prevent short circuits. 7. Equipment is operated only under faculty or lab instructor supervision. 8. Students are instructed to switch off the power supply before assembling or disassembling hardware components. 9. Proper UPS backup and voltage stabilisers are used to protect equipment. 10. Fire extinguishers are installed in accessible locations inside or near the laboratory. 11.Students and staff are aware of emergency exit routes. 12. Flammable materials are not stored near electrical equipment. 13.Hardware components and tools are properly stored after use. 14. Only authorised users are allowed to handle lab equipment. 15. Faulty equipment is reported immediately and removed from use until repaired. 16. Students are advised to handle equipment carefully. 17. Loose wires and cables are properly arranged to avoid accidents. 18. First-aid box is available in the laboratory for minor injuries. 19. Safety instructions and laboratory rules are clearly displayed inside the lab. 20. Emergency contact numbers are displayed for quick response.

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)	360	18	8	10	47
2024-25(CAYm1)	390	20	10	13	53
2025-26(CAY)	330	16	10	14	68

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	2000000.00	1820172	4000000.00	3125819.00	1000000.00	690037	3000000.00	2012801.00
Library	600000.00	476808.00	400000.00	194395.00	400000.00	310637.00	100000.00	43955.00
Laboratory equipment	600000.00	525299	500000.00	304500.00	2000000	1647554	400000.00	336751.00
Teaching and non-teaching staff salary	45000000.00	36304197.64	40000000.00	32512649.00	40000000.00	33978471.00	30000000.00	25521835.00
Outreach Programs	100000.00	62300.00	100000.00	78915.00	150000.00	93816.00	0	0
R&D	300000.00	216500	600000.00	456657.79	200000	135150	150000.00	80533.00
Training, Placement and Industry linkage	400000.00	363715	200000.00	132208.00	200000.00	124820.00	150000.00	85500.00
SDGs	300000.00	211437	300000.00	250268	200000.00	113670.00	150000.00	92572.00
Entrepreneurship	100000.00	25000.00	100000.00	24552.00	0	0	0	0
Others, specify	18000000.00	15248731.28	18000000.00	13143579.26	18000000.00	13127112.74	15000000.00	12295367.60
Total	**67400000.00**	**55254159.92**	**64200000.00**	**50223543.05**	**62150000.00**	**50221267.74**	**48950000.00**	**40469314.60**

E3. Budget Allocation, Utilization, and Public Accounting at Program Specific Level

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

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Laboratory equipment	150000	109588	300000	247464	1700000	1547300	100000	84187.75
Software	20000.00	0	20000	0	100000	64900	20000	0
SDGs	15000	10000	10000	0	10000	0	10000	0
Support for faculty development	70000	55000	20000	6100	30000	15000	0	0
R & D	40000	30000	30000	18260	25000	20000	10000	0
Industrial Training, Industry expert, Internship	30000	25800	30000	20300	30000	14910	30000	17100
Miscellaneous Expenses*	40000	19548	30000	15363	30000	23274	30000	19034
Total	**365000.00**	**249936**	**440000**	**307487**	**1925000**	**1685384**	**200000**	**120321.75**