

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 and Engineering (CSE)

A1: Name of the Institute :- Federal Institute of Science and Technology (FISAT)

Year of Establishment : 2002

Location of the Institute : Mookkannoor P.O., Angamaly.

A2: Institute Address :

City : Ernakulam

State : Kerala

Pincode : 683577

Website : www.fisat.ac.in

Email : mail@fisat.ac.in

Phone number : 0484 2725272
(with STD code)

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

Name of the University : APJ Abdul Kalam Technological University (APJKTU)

City : Thiruvananthapuram

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: 7

❖ No. of PG programs: 12

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 of close*	Name of the Department
1	UG	Civil Engineering	2011	–	Civil Engineering
2	UG	Computer Science and Engineering	2002	–	Computer Science and Engineering
3	UG	Computer Science and Design	2021	–	Computer Science and Engineering
4	UG	Electronics & Communication Engineering	2002	–	Electronics & Communication Engineering
5	UG	Electrical & Instrumentation Engineering	2002	–	Electronics & Instrumentation Engineering
6	UG	Electrical & Electronics Engineering	2002	–	Electrical & Electronics engineering
7	UG	Mechanical Engineering	2009	–	Mechanical Engineering
8	PG	Structural Engineering & Construction Management	2014	–	Civil Engineering
9	PG	Artificial Intelligence and Data Science	2021	–	Computer Science and Engineering
10	PG	Computer Science and Information System	2010	2022	Computer Science and Engineering
11	PG	Communication Engineering	2010	2021	Electronics & Communication Engineering
12	PG	Automotive Engineering	2021	2022	Electronics & Communication Engineering
13	PG	VLSI & Embedded Systems	2014	–	Electronics & Communication Engineering
14	PG	Power Electronics & Power System	2011	–	Electrical & Electronics engineering
15	PG	Computer & Integrated Manufacturing	2013	2022	Mechanical Engineering

16	PG	Renewable Energy	2021	–	Mechanical Engineering
17	PG	Master of Computer Application	2006	–	Computer Application
18	PG	Master of Computer Applications (Integrated)	2025	–	Computer Application
19	PG	Master of Business Administration	2006	–	Management

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	Computer Science and Engineering	B.Tech (Computer Science and Engineering)
2	Electronics and Communication Engineering	B.Tech (Electronics and Communication Engineering)
3	Electrical and Electronics Engineering	B.Tech (Electrical and Electronics Engineering)
4	Electronics and Instrumentation Engineering	B.Tech (Electronics and Instrumentation Engineering)
5	Mechanical Engineering	B.Tech (Mechanical 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	Computer Science and Design (Cluster program)

NATIONAL BOARD OF ACCREDITATION

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

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	180	Yes	2022	F.No. South-West/1-4464018 8039/2025/EOA	Granted accreditation for 3 years of period (2023-2026)	2

* Write applicable one:

- ❖ Applying first time
- ❖ Granted accreditation for 2/3 years for the period (specify period)
- ❖ Granted accreditation for 5/6 years for the period (specify period)
- ❖ Not accredited (specify visit dates, year).
- ❖ Withdrawn (specify visit dates, year)
- ❖ Not eligible for accreditation.

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

A. Name of the HoD : Dr. Paul P Mathai

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 (2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)	CAYm4 (LYG) (2021-22)	CAYm5 (LYGm1) (2020-21)	CAYm6 (LYGm2) (2019-20)
N= Sanctioned intake of the program (as per AICTE /Competent authority)	180	180	180	180	120	120	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	177	177	177	176	119	112	127
N2= Number of students admitted in 2 nd year in the same batch via lateral entry including leftover seats	0	0	9	4	0	0	0
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	45	44	18	17	12	12	6
Total number of students admitted in the program (N1 +N2+N3+N4)-excluding those admitted through multiple entry and exit points.	222	221	204	197	131	124	133

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.

Item (Students enrolled in the First Year on average over 3 academic years (CAY, CAYm1 and CAYm2))	CAY (2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
N= Sanctioned intake of the program in the 1 st year (as per AICTE/Competent authority)	180	180	180
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	177	177	177
N4= Total no. of students admitted in the 1 st year via all supernumerary quotas	45	44	18
Enrolment Ratio (ER)= (N1+N4)/N	123	123	108
Average ER= (ER_1+ ER_2+ ER_3)/3	118%		

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 (2021-22)	LYGm1 (2020-21)	LYGm2 (2019-20)
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).	131	124	133
B = No. of students who graduated from the program in the stipulated course duration	113	109	121
Success Rate (SR)= (B/A)*100	86.26	87.90	90.98
Average SR of three batches ((SR_1+SR_2+ SR_3)/3)	88.38		

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 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
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)	8.19	8.18	8.30
Y= Total no. of successful students	203	174	181

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
Z = Total no. of students appeared in the examination	221	204	197
API = $X * (Y/Z)$	7.52	6.98	7.63
Average API = $(API_1 + API_2 + API_3)/3$	7.38		

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 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 rd year/10)	8.13	7.92	7.59
Y= Total no. of successful students	173	182	119
Z =Total no. of students appeared in the examination	174	181	121
API = $X * (Y/Z)$	8.08	7.96	7.46
Average API = $(API_1 + API_2 + API_3)/3$	7.83		

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 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)	7.95	7.60	7.59
Y= Total no. of successful students	176	116	110
Z= Total no. of students appeared in the examination	182	119	112
API = $X * (Y/Z)$	7.69	7.41	7.45
Average API = $(API_1 + API_2 + API_3)/3$	7.52		

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	129	124	130
X= No. of students placed	58	93	99
Y= No. of students admitted to higher studies	3	5	9
Z= No. of students taking up entrepreneurship	0	0	0
X + Y + Z =	61	98	108
Placement Index (P) = (((X + Y + Z)/FS) * 100)	47.29	79.03	83.08
Average placement index = (P_1 + P_2 + P_3)/3	69.8		

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. N	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at the Time Joining this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor, if any	Nature of Association (Regular /Contract/Adhoc)	If contractual mention (Full time/Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")
1	Dr. Paul P. Mathai	M.Tech and PhD	Noorul Islam Centre for Higher Education	Computer Science and Engineering	20/01/2011	14 Years 11 Months	Assistant Professor	Professor	02/06/2025	Regular		Yes	
2	Dr. Jyothish K John	M.E and PhD	Noorul Islam Centre for Higher Education	Computer Networks	09/06/2004	21 Years 6 Months	Lecturer	Professor	01/06/2021	Regular		Yes	

S. N	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at the Time Joining this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor, if any	Nature of Association (Regular /Contract/Adhoc)	If contractual mention (Full time/Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associate is "No")
3	Dr. Prasad J. C.	M.Tech and PhD	Dr.M. G.R. Educational and Research Institute, Chennai	High Performance Computing	27/09/2006	19 years 3 Months	Assistant Professor	Professor	01/02/2016	Regular		Yes	
4	Dr. Arun Kumar M.N.	M.Sc.(Engineering) and PhD	University of Mysore	Image Processing and Data Mining	16/08/2010	15 Years 4 Months	Assistant Professor (Sr. Grade)	Professor	01/07/2019	Regular		Yes	
5	Dr. Hema Krishnan	M.Tech and Phd	School of Engineering, CUSAT	Software Engineering	01/07/2005	20 Years 6 Months	Lecturer	Associate Professor	01/11/2023	Regular		Yes	
6	Dr. Reshmi R.	M.E and Phd	Anna University	Computer Science & Eng.	01/02/2006	19 Years 11 Months	Lecturer	Associate Professor	01/11/2023	Regular		Yes	

S. N	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at the Time Joining this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor, if any	Nature of Association (Regular /Contract/Adhoc)	If contract actual mention (Full time/Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associate d is “No”)
7	Ms. Divya John	M.E	Anna University	Computer Science and Engineering	16/11/2004	21 Years 1 Month	Lecturer	Assistant Professor (Sr. Grade)		Regular		Yes	
8	Ms. Shimy Joseph	M.Tech	CUSAT	Computer and Information Science	25/01/2006	19 Years 11 Months	Lecturer	Assistant Professor (Sr. Grade)		Regular		Yes	
9	Ms. Lakshmi S	M.Tech	CUSAT	Computer and Information Science	31/07/2006	19 Years 5 Months	Lecturer	Assistant Professor (Sr. Grade)		Regular		Yes	
10	Ms. Roshna K I	M.Tech	IGNOU	Information Systems Security	23/08/2007	18 Years 4 Months	Lecturer	Assistant Professor (Sr. Grade)		Regular		Yes	
11	Ms. Preethi N.P.	M.Tech	CUSAT	Computer Science (Embedded Systems)	21/07/2008	17 Years 5 Months	Lecturer	Assistant Professor (Sr. Grade)		Regular		Yes	

S. N	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at the Time Joining this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor, if any	Nature of Association (Regular /Contract/Adhoc)	If contractual mention (Full time/Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")
12	Ms. Hansa J. Thattil	M.E	Anna University	Computer Science and Engineering	19/12/2008	17 Years	Lecturer	Assistant Professor (Sr. Grade)		Regular		Yes	
13	Dr. Siyamol Chirakkarottu	M.Tech and Phd	School of Engineering, CUSAT	Computer Science and Engineering	04/11/2009	16 Years 1 Month	Lecturer	Associate Professor	01/06/2025	Regular		Yes	
14	Ms. Soumya S Raj	M.E	Anna University	Computer Science and Engineering	25/08/2008	17 Years 8 Months	Lecturer	Assistant Professor (Sr. Grade)		Regular		Yes	
15	Ms. Chethna Joy	M.Tech	CUSAT	Software Engineering	29/12/2008	17 Years	Lecturer	Assistant Professor (Sr. Grade)		Regular		Yes	
16	Mr. Mahesh C	M.Tech	University of Kerala	Digital Image Computing	02/02/2009	16 Years 10 Months	Lecturer	Assistant Professor (Sr. Grade)		Regular		Yes	
17	Dr. Neenu Johnson	M.Tech and Phd	CUSAT	Information Technology	04/01/2010	15 Years 11 Months	Lecturer	Assistant Professor (Special Grade)		Regular		Yes	

S. N	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at the Time Joining this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor, if any	Nature of Association (Regular /Contract/Adhoc)	If contract actual mention (Full time/Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associate d is “No”)
18	Ms. Remya R.	M.Tech	Amrita Vishwa Vidyapeetham	Computer Vision & Image Processing	02/08/2010	15 Years 4 Months	Lecturer	Assistant Professor (Sr. Grade)		Regular		Yes	
19	Ms. Meenu Mathew	M.E	Sathyabama University, Chennai	Computer Science and Engineering	30/08/2010	15 Years 10 Months	Lecturer	Assistant Professor (Special Grade)		Regular		Yes	
20	Ms. Simi Stephen	M.Tech	VTU	Computer Network Engineering	30/08/2010	15 Years 4 Months	Lecturer	Assistant Professor (Sr. Grade)		Regular		Yes	
21	Ms. Anitha T Nair	M.Tech	CUSAT	Software Engineering	27/06/2011	14 Years 6 Months	Assistant Professor	Assistant Professor (Sr. Grade)		Regular		Yes	
22	Ms. Sruthy Suresh	M.Tech	CUSAT	Computer and Information Science	04/07/2012	13 Years 5 Months	Assistant Professor	Assistant Professor (Spl Grade)		Regular		Yes	
23	Ms. Merin Cherian	M.Tech	Amrita Vishwa	Computational Engineer	09/07/2012	13 Years 5 Months	Assistant Professor	Assistant Professor (Spl Grade)		Regular		Yes	

S. N	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at the Time Joining this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor, if any	Nature of Association (Regular /Contract/Adhoc)	If contractual mention (Full time/Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associate d is “No”)
			SVKM's Deemed to be University	Engineering and Networking									
24	Mr. Pankaj Kumar G.	M.Tech	MG University	Computer Science and Information Systems	04/01/2013	13 Years 3 Months	Assistant Professor	Assistant Professor (Special Grade)		Regular		Yes	
25	Ms. Meera Treesa Mathews	M.E	Sathyabama University	Computer Science and Engineering	09/06/2014	12 Years	Assistant Professor	Assistant Professor (Special Grade)		Regular		Yes	
26	Ms. Jismy Mathew	M.Tech	CUSAT	Computer and Information Science	01/11/2019	6 Years 2 Months	Assistant Professor	Assistant Professor (Special Grade)		Regular		Yes	
27	Ms. Nithya Paul	M.Tech	MG University	Computer Science and Information Systems	11/09/2023	2 Years 7 Months	Assistant Professor	Assistant Professor		Contractual	Full Time	Yes	

S. N	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at the Time Joining this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor, if any	Nature of Association (Regular /Contract/Adhoc)	If contractual mention (Full time/Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")
28	Ms.Sophiya Mathews	M.E	Anna University	Computer Science and Engineering	17/07/2024	1 Years 11 Months	Assistant Professor	Assistant Professor		Contractual	Full Time	Yes	
29	Dr. Ierin Babu	M.E and Ph.D	Noorul Islam Centre for Higher Education	Computer Science and Engineering	17/07/2024	1 Years 11 Months	Assistant Professor	Assistant Professor		Contractual	Full Time	Yes	
30	Ms. Soney R Nadh	M.Tech	M G University	Computer Science and Information Systems	22/07/2024	1 Years 11 Months	Assistant Professor	Assistant Professor		Contractual	Full Time	Yes	
31	Ms. Anisha Antu	M.E	Anna University	Computer Science & Eng.	12/08/2024	1 Year 10 Months	Assistant Professor	Assistant Professor		Contractual	Full Time	Yes	

S. N	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at the Time Joining this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor, if any	Nature of Association (Regular /Contract/Adhoc)	If contractual mention (Full time/Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")
32	Ms. Deena Jose	M.Tech	M G University	Computer Science & Information Systems	17/06/2025	1 year	Assistant Professor	Assistant Professor		Contractual	Full Time	Yes	
33	Ms. Soosan Francis	M.E	Anna University	Software Engineering	17/06/2025	1 year	Assistant Professor	Assistant Professor		Contractual	Full Time	Yes	
34	Ms.Nisreen M Ali	M.Tech	M G University	Network Engineering	17/06/2025	1 year	Assistant Professor	Assistant Professor		Contractual	Full Time	Yes	
35	Ms. Neha Beegam P E	M.Tech	M G University	Computer Science & Eng.	17/06/2025	1 year	Assistant Professor	Assistant Professor		Contractual	Full Time	Yes	
36	Ms. Geethu P C	M Tech	Kerala University	Computer Science & Eng.	17/06/2025	1 year	Assistant Professor	Assistant Professor		Contractual	Full Time	Yes	
37	Ms. Jishna N V	M.Tech	KTU	Computer Science & Eng.	17/06/2025	1 year	Assistant Professor	Assistant Professor		Contractual	Full Time	Yes	
38	Ms. Sanitha P S	M.Tech	KTU	Computer Science	17/06/2025	1 year	Assistant Professor	Assistant Professor		Contractual	Full Time	Yes	

S. N	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at the Time Joining this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor, if any	Nature of Association (Regular /Contract/Adhoc)	If contractual mention (Full time/Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associate d is “No”)
				ce & Eng.									
39	Ms. Ancy Antony	M. Tech	Calicut University	Computer Science & Eng. (Computational Linguistics)	17/07/2025	11 Months	Assistant Professor	Assistant Professor		Contractual	Full Time	Yes	
40	Ms. Hima KG	M. E	Anna University	Computer Science & Engineering	24/07/2024	1 year	Assistant Professor	Assistant Professor		Contractual	Full Time	No	18/07/2025
41	Mr. Anuranj P	M.E	Vinayaka Mission's Research Foundations	Computer Science & Engineering	07/02/2011	13 years 11 months	Assistant Professor	Assistant Professor		Regular		No	04/01/2025

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 are 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)).

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

Year	CAY (2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG ₁ . B	180	189	184
UG ₁ . C	189	184	120
UG ₁ . D	184	120	120
UG ₁ (UG -Engineering-CSE)	553	493	424
UG ₂ . B	60	62	60
UG ₂ . C	62	60	60
UG ₂ . D	60	60	-
UG ₂ (UG-Engineering-CSD)	182	182	120
PG ₁ . A	12	12	12
PG ₁ . B	12	12	12
PG ₁	24	24	24

Year	CAY (2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
DS=Total no. of students in all UG and PG programs in the Department	759	699	568
AS=Total no. of students of all UG and PG programs in allied departments	NA	NA	NA
S=Total no. of students in the Department (DS) and allied departments (AS)	759	699	568
DF=Total no. of faculty members in the Department	42	37	31
AF= Total no. of faculty members in the allied Departments	NA	NA	NA
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	42	37	31
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)	18.07	18.89	18.32
Average SFR for 3 years	Average SFR=18.42		

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	FQI= $2.5 * [(10X + 4Y)/RF]$
CAY (2025-26)	9	33	37.95	14.8
CAYm1 (2024-25)	9	28	34.95	14.45
CAYm2 (2023-24)	7	24	28.4	14.61

C4: Faculty Cadre Proportion

- ❖ Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
 - RF1= No. of Professors required = $1/9 \times$ 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 = $2/9 \times$ 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 = $6/9 \times$ 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 Faculty(RF1)	Available Faculty(AF1)	Required Faculty(RF2)	Available Faculty(AF2)	Required Faculty(RF3)	Available Faculty(AF3)
CAY (2025-26)	4.21	4	8.43	3	25.3	35
CAYm1 (2024-25)	3.88	4	7.76	3	23.3	30
CAYm2 (2023-24)	3.155	3	6.311	3	18.93	25
Average Numbers	RF1=3.748	AF1=3.66	RF2=7.5	AF2=3	RF3=22.51	AF3=30

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.

S.N.	Name of the Person	Designation & Organization	Name of the Course	No. of hours handled
CAYm1 (2024-25)				
1	Jijoraj Antony Kannanaikal	Associate Software Architect (XTRIOS)	Miniproject	21
Total no. of hours				21
CAYm2 (2023-24)				
1	Jijoraj Antony Kannanaikal	Associate Software Architect (XTRIOS)	Miniproject	52
Total no. of hours				52

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.

S.N .	Faculty name	Project title/ Support for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the project
CAYm1						
Nil						
Amount received (Rs.)				0		
CAYm2						
Nil						
Amount received (Rs.)					0	
CAYm3						
1	Lt. Dr. Prasad J C	A Decentralized approach to Certificate management leveraging blockchain technology to enhance security and transparency	1.5 year	Rs. 25,000 Amount utilized Rs 12000	Designed an application program for certificate management and published a research paper in Scopus Indexed Conferences.	
Amount received (Rs.)					12, 000	
Total amount (Lacs) received for the past 3 years					0.12 Lakhs	

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.

S.N.	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	Programming Lab (CCF-L1)	32 to 37	36 Computers (ACER DESKTOP) Processor : Intel Core i3 12th RAM:8 GB DDR 4 Hard disk : 512 GB NVME Monitor: 20” LED Monitor Mother board: H610 OS:Debian/Ubuntu	12 hours in odd semesters and 16 hours in even semesters	Ms. Ambily Sekhar C	Lab Instructor	MCA, MPhil
2	FOSS Lab (CCF-L2)	32 to 38	36 Computers (ACER DESKTOP) Processor : Intel Core i3 12th RAM: 8 GB DDR 4 Hard disk : 512 GB NVME Monitor: 20” LED Monitor Mother board: H610 OS:Debian / Ubuntu	12 hours in odd semesters and 18 hours in even semesters	Ms. Varun P Nair	Lab Instructor	Diploma
3	System Software Lab (CCF- L3)	32 to 38	68 Computers (DELL(68 Nos)) Processor:Intel Core i3 RAM: DDR4 8GB Hard disk : 512 GB NVMe SSD Monitor : 20” LEDMonitor Keyboard & Mouse : DELL	12 hours in odd semesters and 20 hours in even semesters	Ms. Salini T R	Lab Instructor	MCA, MPhil

S.N.	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
4	DBMS Lab (CCF-L7)	32 to 38	35 Computers (FISAT DEZENNIA PC) Processor: Core i3, Motherboard : GIGABYTE H81M-S RAM: 4GB DDR3 1600MHZ Hard Dis: 500GB Monitor: DELL 18.5, Keyboard & Mouse : LOGITECH	12 hours in odd semesters and 15 hours in even semesters	Ms. Ambili N Menon	Lab Instructor	MCA
5	Main Project Lab (CCF-L8)	32 to 38	35 Computers (FISAT DEZENNIA PC) Processor: CORE i5-12400 Motherboard: GIGABYTE H610MBD RAM: 16GB DDR4 Hard Disk: 480GB SSD Monitor : DELL 24 Graphics card : 6GB / 2 GB Keyboard & Mouse : LOGITECH	15 hours in even semesters	Ms. Neeba Cheriyan	Lab Instructor	MCA

S.N.	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
6	Design Project Lab (CCF-L9)	63 to 74	Multimedia projector and Sound system, 64 computers (FISAT DEZENNIA PC (64Nos.) Processor: CORE i3 Motherboard: GIGABYTE H81M-S RAM: 4GB DDR3 1600MHZ Harddisk: 500 GB, Monitor: DELL 18.5, Keyboard & Mouse: LOGITECH	18 hrs in odd semesters and 15 hour in even semesters	Mr.Aravind Balan	Lab Instructor	MSc
7	Microprocessor Lab (NB 305)	32-38	8086 Trainer kit 17, 8051 controller kit-10, Digital to analog convertor-8 Analog to digital convertor- 8 Stepper motor controller-8 Peripheral 8255 interface module-8 Keyboard & Display interface module- 8 MASM Installed systems – 15	12 hours in even semesters	Ms. Sandhya O C	Lab Instructor	B. Tech

S.N.	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
8	PG Lab (NB 301)		56 Computers (FISAT HCL PC) Processor: COREi3- intel Motherboard: HCL, RAM : 4GB DDR4 Hard Disk : 500GB HDD 256 SSD, Monitor : HCL 18.5 Keyboard: HCL Mouse : HCL	26 hour in even Semester	Ms. Smija M B	Lab Instructor	Diploma in Computer Science and Engineering

D2: `Safety Measures in Laboratories

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

S.N.	Name of the Laboratory	Safety measures
1	Programming Lab (CCF-L1), FOSS Lab (CCF-L2), System Software Lab, (CCF-L3), DBMS Lab (CCF-L7), Main Project Lab (CCF-L8), Design Project (CCF-L9)	- General Rules of Conduct in Laboratories are displayed. - Specific Safety Rules for students are displayed for easy reference - Dry chemical fire extinguishers are installed and maintained in each laboratory. - Damaged equipment is strictly avoided; only safe, functional apparatus is used. - Periodic servicing of the lab equipment is carried out. - Cleanliness and Organization of the lab is maintained at all times. - Cell phone usage inside lab is prohibited. - Designated storage areas are provided for bags and books. - Separate storage areas are provided for shoes - Emergency telephone numbers are displayed clearly in each laboratory. - Laboratories have three exit and two emergency exits.

S.N.	Name of the Laboratory	Safety measures
		12. Fire alarms and public announcement systems are installed in labs for emergency preparedness. 13. Surveillance cameras are installed to ensure safety and monitoring.
2	Microprocessor Lab (DB305), PG Lab (NB301)	1. General Rules of Conduct in Laboratories are displayed. 2. Specific Safety Rules for students are displayed for easy reference 3. Dry chemical fire extinguishers are installed and maintained in each laboratory. 4. Damaged equipment is strictly avoided; only safe, functional apparatus is used. 5. Periodic servicing of the lab equipment is carried out. 6. Cleanliness and Organization of the lab is maintained at all times. 7. Avoiding the use of cell phones. 8. Separate storage areas for storing bags and books 9. Appropriate storage areas for shoes 10. Emergency telephone numbers are pasted in laboratory. 12. Laboratories are built separately from the main computing facility. 13. Each Laboratory is equipped with surveillance cameras.

D3: Project Laboratory/Research Laboratory

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

S.N.	Name of the Laboratory
1	Mini Project Lab (L9)
2	Main Project Lab (L8)
3	Cognitive Computing Research Centre

S.N.	Name of the Laboratory
4	Image Processing Research Centre
5	IDEA Lab (interdisciplinary)
6	FAB Lab (interdisciplinary)

NATIONAL BOARD OF ACCREDITATION

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

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	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= $\frac{\text{No. of faculty members } ((\text{NS1} \times 0.8) + (\text{NS2} \times 0.2))}{\text{No. of required faculty (RF4)}};$ Percentage= $\frac{((\text{NS1} \times 0.8) + (\text{NS2} \times 0.2))}{\text{RF4}}$
CAY	720	36	17	92	88.88
CAYm1	720	36	17	98	92.22
CAYm2	720	36	18	93	91.66

E2: Budget Allocation, Utilization, and Public Accounting at Institute Level

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

Items	Budgeted in 2025-2026	Actual expenses in 2025-2026 (till Nov 2025)	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
Infrastructure Built-Up	16,24,07,000	3,43,84,331	7,34,74,000	7,74,05,469	5,61,00,000	3,81,42,590	3,35,33,000	5,25,07,211
Library	3,50,000	2,24,699	2,15,000	3,41,628	5,00,000	3,66,158	8,00,000	4,51,700
Laboratory equipment	36,00,600	3,65,780	25,98,445	12,41,980	36,90,920	9,80,521	29,93,500	15,31,317
Laboratory Consumables	39,16,192	5,25,776	14,53,280	5,20,668	10,79,200	5,27,618	14,52,440	5,45,049
Teaching and non-teaching staff salary	21,85,83,257	13,72,06,717	20,57,50,000	19,60,07,927	20,65,00,000	20,28,44,248	19,98,50,000	19,64,04,400

Items	Budgeted in 2025-2026	Actual expenses in 2025-2026 (till Nov 2025)	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
Outreach Programs	4,15,000	98,362	4,15,000	2,59,050	2,10,000	2,41,792	1,00,000	1,58,061
R&D	35,50,000	35,050	24,75,000	3,25,026	38,50,000	3,83,762	1,60,000	87,713
Training, Placement and Industry linkage	1,23,50,500	2,48,63,536	96,21,700	1,29,31,626	89,91,000	1,14,00,981	27,11,500	1,71,49,841
SDGs	46,46,000	9,35,135	33,84,275	12,55,598	34,18,300	14,79,963	26,53,400	17,30,906
Entrepreneurship	6,00,000	1,00,000	4,00,000	7670	0	12,000	2,50,000	30,000
Others*, pl. specify								
Software	47,12,000	7,32,941	19,99,000	7,32,941	10,15,580	3,13,644	22,39,500	12,09,860
Maintenance and spares	1,56,33,250	2,02,50,548	83,80,500	1,50,42,883	68,70,000	66,37,234	49,84,450	97,15,244
College Affiliation and other fees	17,25,000	16,54,585	16,00,000	9,59,595	40,00,000	81,90,702	62,00,000	67,78,459
Miscellaneous expenses	4,85,94,000	3,57,01,494	7,41,13,500	8,79,03,248	7,51,58,000	6,69,45,806	7,01,62,610	5,87,84,680
Total amount	48,10,82,799	25,70,78,954	38,58,79,700	39,49,35,309	37,13,83,000	33,84,67,019	32,80,90,400	34,70,84,441

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

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

Items	Budgeted in 2025-2026	Actual expenses in 2025-2026 (till Nov 2025)	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	0	0	0	0	0	2,66,680	12,000	0
Laboratory Consumables	0	1,446	60,000	72,355	0	1,69,367	0	2,31,489
Software	0	0	0	0	0	0	0	3,77,060
SDGs	4,00,000	2,90,170	2,45,000	3,78,643	1,62,000	4,20,563	1,25,000	3,65,995
Support for faculty development	0	3,624	25,000	550	50,000	1300	26,000	5025
R & D	13,00,000	12,000	7,46,000	98,000	10,93,000	1,09,000	33,000	18,000
Industrial Training, Industry expert, Internship	2,00,000	66,173	6,75,000	3,20,554	8,50,000	7,84,375	26,000	6,30,311
Miscellaneous expenses	0	0	20,000	85,165	0	15,450	55,000	0
Total amount	19,00,000	3,73,413	17,71,000	955,267	21,55,000	17,66,735	2,77,000	16,27,880