NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electronics & Communication Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 2
Application No: 11357	**Date of Submission**: 31-12-2025

PART A- Profile of the Institute

A1.Name of the Institute: ALBERTIAN INSTITUTE OF SCIENCE AND TECHNOLOGY - AISAT	
Year of Establishment : 2011	Location of the Institute: Kalamassery Kochi Kerala 682022
A2. Institute Address:ALBERTIAN INSTITUTE OF SCIENCE AND TECHNOLOGY - AISAT - TECHNICAL CAMPUSARCHBISHOP ANGEL MARY NAGARCOCHIN UNIVERSITY P OKALAMASSERY KOCHI	
City:Ernakulam	State:Kerala
Pin Code:682022	Website:www.aisat.ac.in
Email:iqac@aisat.ac.in	Phone No(with STD Code):0484-2540360
A3. Name and Address of the Affiliating University (if any):	
Name of the University : APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY	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: **6**
- No. of PG programs: **1**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Civil Engineering	2012	--	Civil Engineering
2	Engineering & Technology	UG	Computer Science and Engineering	2012	--	Computer Science and Engineering
3	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2024	--	Artificial Intelligence and Machine Learning
4	Engineering & Technology	UG	Electrical & Electronics Engineering	2012	--	Electrical and Electronics Engineering
5	Engineering & Technology	UG	Electronics & Communication Engineering	2012	--	Electronics and Communication Engineering
6	Engineering & Technology	PG	Geomechanics and Structures	2014	2024	Civil Engineering
7	Engineering & Technology	UG	Mechanical Engineering	2012	--	Mechanical 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
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication 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)

No Record

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	PROGR DURAT
1	Electronics & Communication Engineering	UG	2012 / --	60	No	NA	60	2012	AICTE EOA letter dated 3rd January 2025 F.No. South-West/1-44641410176/2025/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	1	4

List of the Allied Departments/Cluster and Programs:

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

A. Name of the HoD :	Dr. Neenu Joseph
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	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	57	55	55	60	50	46	38
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	2	2	2	2	5	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	3	2	3	3	1	3	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	60	59	60	65	53	54	38

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)	60	57	3	100.00
2024-25 (CAYm1)	60	55	2	95.00
2023-24 (CAYm2)	60	55	3	96.67

Average [(ER1 + ER2 + ER3) / 3] = 97.22≅ 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).	62.00	65.00	60.00
B=No. of students who graduated from the program in the stipulated course duration	26.00	35.00	21.00
Success Rate (SR)= (B/A) * 100	41.94	53.85	35.00

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 43.60

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)	7.83	7.26	7.23
Y=Total no. of successful students	33.00	30.00	35.00
Z=Total no. of students appeared in the examination	57.00	58.00	63.00
API [X*(Y/Z)]	4.53	3.75	4.02

Average API[(AP1+AP2+AP3)/3] : 4.10

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)	7.17	7.34	6.99
Y=Total no. of successful students	25.00	30.00	28.00

	32.00	37.00	34.00
Z=Total no. of students appeared in the examination	32.00	37.00	34.00
API [X * (Y/Z)]	5.60	5.95	5.76

Average API [(AP1 + AP2 + AP3)/3] : 5.77

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)	7.55	7.14	7.01
Y=Total no. of successful students	23.00	26.00	35.00
Z=Total no. of students appeared in the examination	30.00	28.00	35.00
API [X*(Y/Z)]:	5.79	6.63	7.01

Average API [(AP1 + AP2 + AP3)/3] : 6.48

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	62.00	65.00	60.00
X=No. of students placed	28.00	33.00	35.00
Y=No. of students admitted to higher studies	2.00	2.00	4.00
Z= No. of students taking up entrepreneurship	0.00	1.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	48.39	55.38	66.67

Average Placement Index = (P_1 + P_2 + P_3)/3: 56.81 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	Mr. Paul Ansel V	XXXXXXX93L	M.Tech	Calicut University, Kerala	Embedded Systems	03/10/2011	14.2	Assistant Professor	Associate Professor	10/02/2016	Regular	Yes		No
2	Dr. Neenu Joseph	XXXXXXX71F	Ph.D	Anna University, Chennai	VLSI for Wireless Communication	01/06/2016	9.6	Assistant Professor	Associate Professor	01/08/2019	Regular	Yes		Yes

#	Name	ID	Qualification	University	Specialization	Date	Exp	Designation	Designation	Date	Regular			
3	Dr. Saju A	XXXXXXX46F	Ph.D	Visvesvaraya Technological University, Belgaum	Image Processing	11/10/2021	4.2	Associate Professor	Professor	01/07/2025	Regular	Yes		No
4	Dr. Laila D	XXXXXXX01A	Ph.D	Cochin University of Science and Technology, Kochi	Microwave Engineering	20/08/2025	0.3	Professor	Professor	20/08/2025	Regular	Yes		No
5	Dr. Bindu C J	XXXXXXX60A	Ph.D	Cochin University of Science and Technology, Kochi	Microwave Electronics	25/08/2025	0.3	Professor	Professor	25/08/2025	Regular	Yes		No
6	Dr. Rakesh S	XXXXXXX84G	Ph.D	Noorul Islam Centre for Higher Education, thuckalay, Tamil Nadu	Electronics and Communication Engineering	26/07/2024	1.4	Associate Professor	Associate Professor	26/07/2024	Regular	Yes		No
7	Ms. Sonu K Varghese	XXXXXXX73L	M.E.	Anna University, Chennai	Electronics and Control Engineering	01/09/2011	14.3	Assistant Professor	Associate Professor	07/07/2018	Regular	Yes		No
8	Ms. Anu Antony	XXXXXXX57B	M.Tech	Cochin University of Science and Technology, Kochi	Signal Processing	01/08/2013	12.4	Assistant Professor	Associate Professor	30/09/2022	Regular	Yes		No
9	Mr. Tubin T X	XXXXXXX53F	M.E.	Anna University, Chennai	Communication Systems	01/06/2016	9.6	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Ms. Reshma Mary Jose	XXXXXXX70F	M.Tech	Mahatma Gandhi University, Kottayam	VLSI and Embedded Systems	01/06/2016	9.6	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Ms. Pearl Antonette Mendez	XXXXXXX75Q	M.Tech	Mahatma Gandhi University, Kottayam	Communication Engineering	26/04/2021	4.7	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Ms. Ambily Joseph	XXXXXXX62D	M.Tech	Amrita University	Remote Sensing and Wireless Sensor Networks	12/10/2021	4.2	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Ms. Milna M J	XXXXXXX72J	M.Tech	Mahatma Gandhi University, Kottayam	Communication Engineering	09/11/2021	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No

14	Ms. Neethu Varghese	XXXXXXX38D	M.Tech	Mahatma Gandhi University, Kottayam	Communication Engineering	03/01/2022	3.6	Assistant Professor	Assistant Professor		Regular	No	31/07/2025	No
15	Mr. Gregorious Jose C	XXXXXXX30K	M.Tech	APJ Abdul Kalam Technological University, Kerala	Embedded Systems	26/08/2022	3.3	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Dr. Ann Varghese	XXXXXXX79L	Ph.D	Cochin University of Science and Technology, Kochi	Intelligent Techniques in Signal Analysis	21/11/2023	2	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Ms. Asha P	XXXXXXX29E	M.Tech	Calicut University, Kerala	Instrumentation and Control Systems	29/07/2024	1.4	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Ms. Reshma K J	XXXXXXX08E	M.Tech	APJ Abdul Kalam Technological University, Kerala	VLSI and Embedded Systems	29/08/2024	1.3	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Ms. Anju Aravind	XXXXXXX43E	M.Tech	Mahatma Gandhi University, Kottayam	Applied Electronics	09/10/2025	0.2	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Ms. Hima K	XXXXXXX49G	M.Tech	Cochin University of Science and Technology, Kochi	VLSI and Embedded Systems	13/10/2025	0.1	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Ms. Chinnu Varkey	XXXXXXX11N	M.E.	Anna University, Chennai	VLSI Design	08/12/2025	0	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Dr Namitha A S	XXXXXXX07M	Ph.D	NIT Calicut	Wireless Communication	27/11/2024	1	Professor	Professor	27/11/2024	Contractual Parttime	Yes		No

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

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 Department0

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	62	62	62
UG1.C	62	62	62
UG1.D	62	62	65
UG1: Electronics & Communication Engineering	**186**	**186**	**189**
DS=Total no. of students in all UG and PG programs in the Department	186	186	189
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 186	**S2=** 186	**S3=** 189
DF=Total no. of faculty members in the Department	17	16	12
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 17	**F2=** 16	**F3=** 12
FF=The faculty members in F who have a 100% teaching load in the first-year courses	2	2	1
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 12.40**	**SFR2= 13.29**	**SFR3= 17.18**
Average SFR for 3 years	**SFR= 14.29**		

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	11	9.00	28.89
2024-25(CAYm1)	4	12	9.00	24.44
2023-24(CAYm2)	2	10	9.00	16.67

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	1.00	3.00	2.00	2.00	6.00	12.00
2024-25	1.00	0.00	2.00	3.00	6.00	13.00
2023-24	1.00	0.00	2.00	2.00	6.00	10.00
Average	RF1=1.00	AF1=1.00	RF2=2.00	AF2=2.33	RF2=6.00	AF2=11.67

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	4	0	0
2	No. of peer reviewed conference papers published	1	0	0
3	No. of books/book chapters published	0	0	0

C7. Sponsored Research Project

Table No. C7.1: List of sponsored research projects received from external agencies.

(CAYm1)

(CAYm2)

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: NIL
Note*:
- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

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

(CAYm1)

(CAYm2)

(CAYm3)

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

(CAYm2)

(CAYm3)

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

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	Analog Integrated Circuits lab	3	Digital Multimeter, CRO,Signal Generator, Dual Power Supply, DSO, IC Tester	28 hrs	1.Ms. Dimple Attokkaran	1.Lab Instructor 2.Trade	1.B.Tech in ECE 2.ITI in
2	Systems Lab	1	Computers, DSP Trainer Kit	30 hrs	Ms.Dimple Attokkaran	Lab Instructor	B.Tech in ECE
3	Digital Electronics Lab	3	Digital Trainer Kit, Digital IC Tester	30 hrs	Ms. Anila Sebastian	Lab Instructor	Diploma in Electronics Pro
4	Electronic Circuits lab	3	Signal Generator, Analog Multimeter, IC Tester ,CRO, Dual Power Supply, Fixed Power Supply ,Rheostat, Digital Multimeter, DC Voltmeter, DC Ammeter	30 hrs	Ms.Neethu Kennady	Lab Instructor	B.Tech in ECE
5	VLSI & Embedded Systems Lab	3	Computers, FPGA Kit, Microcontroller Trainer Kit,Interfacing Stepper Motor , LCD Display	32 hrs	Ms.Neethu Kennady	Lab Instructor	B.Tech in ECE
6	Communication Lab	4	Signal Generator,DSO,Antenna Trainer Kit, Microwave Test Bench, Fiber Optic Trainer Kit, Adalm Pluto-SDR Active Learning Module	24 hrs	1. Ms. Anila Sebastian 2	1.Lab Instructor 2.Trade	1.Diploma in Electronics I

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Analog Integrated Circuits lab	● Safe practices in the lab like Do's and Don'ts are displayed and instructed to all students. ● Fire Extinguishers and First aid box are provided. ● Reliable grounding and short circuit protection are provided. ● Well Trained Technical Support Staff. ● Ample air-ventilation and lighting is ensured. ● Damaged equipment and parts are identified and serviced regularly. ● Emergency contact numbers are displayed. ● Clean and organized laboratory is maintained. ● A safety manual is kept in the lab to ensure that students follow proper guidelines and prevent accidents.
2	Systems Lab	● Safe practices in the lab like Do's and Don'ts are displayed and instructed to all students. ● Fire Extinguishers and First aid box are provided. ● Reliable grounding and short circuit protection are provided. ● Well Trained Technical Support Staff. ● Proper Data backup facility. ● Firewalls and Antivirus software installed for system security. ● Damaged Systems and parts are identified and serviced regularly. ● Ample air-ventilation and lighting is ensured. ● Damaged equipment and parts are identified and serviced regularly. ● Emergency contact numbers are displayed. ● Clean and organized laboratory is maintained. ● A safety manual is kept in the lab to ensure that students follow proper guidelines and prevent accidents.
3	Digital Electronics Lab	● Safe practices in the lab like Do's and Don'ts are displayed and instructed to all students. ● Fire Extinguishers and First aid box are provided. ● Reliable grounding and short circuit protection are provided. ● Well Trained Technical Support Staff. ● Ample air-ventilation and lighting is ensured. ● Damaged equipment and parts are identified and serviced regularly. ● Emergency contact numbers are displayed. ● Clean and organized laboratory is maintained. ● A safety manual is kept in the lab to ensure that students follow proper guidelines and prevent accidents.
4	Electronic circuits lab	● Safe practices in the lab like Do's and Don'ts are displayed and instructed to all students. ● Fire Extinguishers and First aid box are provided. ● Reliable grounding and short circuit protection are provided. ● Well Trained Technical Support Staff. ● Ample air-ventilation and lighting is ensured. ● Damaged equipment and parts are identified and serviced regularly. ● Emergency contact numbers are displayed. ● Clean and organized laboratory is maintained. ● A safety manual is kept in the lab to ensure that students follow proper guidelines and prevent accidents.
5	VLSI & Embedded Systems Lab	● Safe practices in the lab like Do's and Don'ts are displayed and instructed to all students. ● Fire Extinguishers and First aid box are provided. ● Reliable grounding and short circuit protection are provided. ● Well Trained Technical Support Staff. ● A safety manual is kept in the lab to ensure that students follow proper guidelines and prevent accidents. ● Proper Data backup facility. ● Firewalls and Antivirus software installed for system security. ● Damaged Systems and parts are identified and serviced regularly. ● Ample air-ventilation and lighting is ensured. ● Damaged equipment and parts are identified and serviced regularly. ● Emergency contact numbers are displayed. ● Clean and organized laboratory is maintained. ● A safety manual is kept in the lab to ensure that students follow proper guidelines and prevent accidents.
6	Communication Lab	● Safe practices in the lab like Do's and Don'ts are displayed and instructed to all students. ● Fire Extinguishers and First aid box are provided. ● Reliable grounding and short circuit protection are provided. ● Well Trained Technical Support Staff. ● Ample air-ventilation and lighting is ensured. ● Damaged equipment and parts are identified and serviced regularly. ● Emergency contact numbers are displayed. ● Clean and organized laboratory is maintained. ● A safety manual is kept in the lab to ensure that students follow proper guidelines and prevent accidents.
7	Project Lab	● Safe practices in the lab like Do's and Don'ts are displayed and instructed to all students. ● Fire Extinguishers and First aid box are provided. ● Reliable grounding and short circuit protection are provided. ● Well Trained Technical Support Staff. ● Ample air-ventilation and lighting is ensured. ● Damaged equipment and parts are identified and serviced regularly. ● Emergency contact numbers are displayed. ● Clean and organized laboratory is maintained. ● A safety manual is kept in the lab to ensure that students follow proper guidelines and prevent accidents.

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	10	49	99
2024-25(CAYm1)	420	21	9	58	90
2025-26(CAY)	420	21	7	56	80

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	45000000	40711113	50000000	46661835	35000000	33884474	42500000	42071046
Library	200000	129932	300000	281133	600000	587259	2000000	2003532
Laboratory equipment	600000	525572	1700000	1690652	600000	592672	7500000	7364132
Teaching and non-teaching staff salary	50000000	43730557	42500000	40564797	50000000	48230029	42500000	41601194
Outreach Programs	400000	330274	50000	42192	50000	15659	800000	794200
R&D	300000	226953	100000	59590	350000	312816	100000	13906
Training, Placement and Industry linkage	600000	557227	1650000	1617898	550000	510216	1400000	1390912
SDGs	800000	728245	1300000	1271754	1200000	1180318	900000	863293
Entrepreneurship	100000	90816	100000	96000	100000	109500	2900000	2906177
Others, specify	62000000	56650609	62300000	62013424	81550000	75117458	79400000	77978777
Total	**160000000**	**143681298**	**160000000**	**154299275**	**170000000**	**160540401**	**180000000**	**176987169**

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	135000	133573	81134	42516.75	197255	118368	639345	601310

Software	400000	376212	100000	122995	220000	215575	250000	240867
SDGs	150000	145649	260000	254350	240000	236063	180000	172658
Support for faculty development	20000	18912	10000	5959	35000	31281	10000	1390
R & D	20000	18912	10000	5959	35000	31281	10000	1390
Industrial Training, Industry expert, Internship	100000	92871	330000	323579	100000	102043	280000	278182
Miscellaneous Expenses*	160000	153000	0	0	0	0	0	0
Total	**985000**	**939129**	**791134**	**755358.75**	**827255**	**734611**	**1369345**	**1295797**