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: 11867	**Date of Submission**: 03-06-2026

PART A- Profile of the Institute

A1.Name of the Institute: Vivekananda College of Engineering and Technology	
Year of Establishment : 2001	Location of the Institute: 127811 N 751838 E
A2. Institute Address:Nehru Nagara, Puttur - 574 203	
City:Dakshina Kannada	State:Karnataka
Pin Code:574203	Website:www.vcetputtur.ac.in
Email:principal@vcetputtur.ac.in	Phone No(with STD Code):08251-235955
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Visvesvaraya Technological University	City: Belgaum
State : Karnataka	Pin Code: 590018
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **6**
- No. of PG programs: **2**

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	Computer Application	PG	Master of Computer Application	2021	--	Computer Application
2	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2020	--	Artificial Intelligence and Machine Learning
3	Engineering & Technology	UG	Civil Engineering	2004	--	Civil Engineering
4	Engineering & Technology	UG	Computer Science and Engineering	2001	--	Computer Science and Engineering
5	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2021	--	Computer Science and Engineering (Data Science)
6	Engineering & Technology	UG	Electronics & Communication Engineering	2001	--	Electronics and Communication Engineering
7	Engineering & Technology	UG	Mechanical Engineering	2004	--	Mechanical Engineering
8	Management	PG	Master of Business Administration	2007	--	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

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	PROGRAM DURATION
1	Electronics & Communication Engineering	UG	2001 / --	60	Yes	2021	60	2021	F.No. South-West/1-9319473714/2021/EOA Dt.15/06/2021	Granted accreditation for 3 years for the period (specify period)	2023	2026	1	4

Sanctioned Intake for Last Five Years for the Electronics & Communication Engineering	
Academic Year	**Sanctioned Intake**
2025-26	60
2024-25	60
2023-24	60
2022-23	60
2021-22	60
2020-21	90

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 :	Shrikanth Rao S.K
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	90	90

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	55	53	56	57	57	41	71
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	11	5	7	8	7	7
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	3	3	3	3	4	5
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	58	67	64	67	68	52	83

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	55	3	96.67
2024-25 (CAYm1)	60	53	3	93.33
2023-24 (CAYm2)	60	56	3	98.33

Average [(ER1 + ER2 + ER3) / 3] = 96.11≡ 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).	68.00	97.00	97.00
B=No. of students who graduated from the program in the stipulated course duration	60.00	41.00	75.00
Success Rate (SR)= (B/A) * 100	88.24	42.27	77.32

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 69.28

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)	7.21	6.93	7.64
Y=Total no. of successful students	56.00	58.00	60.00
Z=Total no. of students appeared in the examination	56.00	59.00	60.00
API [X*(Y/Z)]	7.21	6.81	7.64

Average API[(AP1+AP2+AP3)/3] : 7.22

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)	6.85	7.12	7.33
Y=Total no. of successful students	63.00	66.00	64.00
Z=Total no. of students appeared in the examination	63.00	67.00	66.00
API [X * (Y/Z)]	6.85	7.01	7.11

Average API [(AP1 + AP2 + AP3)/3] : 6.99

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)	7.12	7.33	6.99
Y=Total no. of successful students	66.00	64.00	52.00
Z=Total no. of students appeared in the examination	66.00	64.00	52.00
API [X*(Y/Z)]:	7.12	7.33	6.99

Average API [(AP1 + AP2 + AP3)/3] : 7.15

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	68.00	97.00	97.00
X=No. of students placed	43.00	26.00	58.00
Y=No. of students admitted to higher studies	5.00	2.00	0.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	70.59	28.87	59.79

Average Placement Index = (P_1 + P_2 + P_3)/3: 53.08 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	Shrikanth Rao S.K	XXXXXXX89Q	Ph.D	Visvesvaraya Technological University	Biomedical Signal Processing	07/08/2006	19.9	Lecturer	Professor	01/05/2026	Regular	Yes		Yes

2	Rajani Rai B	XXXXXXX17Q	Ph.D	Visvesvaraya Technological University	Biomedical Signal Processing	23/06/2005	20.11	Lecturer	Assistant Professor		Regular	Yes		No
3	Shivaprasad	XXXXXXX85N	M.Tech	Visvesvaraya Technological University	Digital Electronics	22/07/2014	11.10	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Nisha G.R	XXXXXXX54C	M.Tech	Visvesvaraya Technological University	Digital Electronics	25/07/2014	11.10	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Nirupama K	XXXXXXX18A	M.Tech	Visvesvaraya Technological University	Digital Electronics and Communication	20/07/2012	13.10	Lecturer	Assistant Professor		Regular	Yes		No
6	Akshay S P	XXXXXXX70E	M.Tech	Visvesvaraya Technological University	Digital Electronics and Communication	20/08/2020	5.9	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Shreyas H	XXXXXXX01H	M.Tech	Visvesvaraya Technological University	Microelectronics and Control systems	18/10/2021	4.7	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Nithin	XXXXXXX15A	M.Tech	Visvesvaraya Technological University	Digital Electronics and Communication	04/11/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Sujay K	XXXXXXX56E	M.Tech	Visvesvaraya Technological University	Digital Electronics and Communication Systems	01/08/2025	0.9	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mahanthesh R Choudhary	XXXXXXX05H	Ph.D	Kanpur University	Electronics and Communication Engineering	28/08/2020	4.9	Associate Professor	Associate Professor		Regular	No	31/05/2025	No
11	Sowmya Anil	XXXXXXX52D	M.Tech	Visvesvaraya Technological University	Microelectronics and Control systems	07/08/2006	19.9	Lecturer	Assistant Professor		Regular	Yes		No
12	Prabha G.S	XXXXXXX85J	M.Tech	Visvesvaraya Technological University	Digital Electronics and Communication	01/08/2007	18.10	Lecturer	Assistant Professor		Regular	Yes		No
13	Sriraksha K.A	XXXXXXX62N	M.Tech	Visvesvaraya Technological University	Digital Electronics and Communication Systems	27/08/2020	4	Assistant Professor	Assistant Professor		Regular	No	31/08/2024	No
14	Mahabaleshwara Bhat P	XXXXXXX51F	M.Tech	Visvesvaraya Technological University	Digital Electronics and Communication Systems	17/06/2015	10.11	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Dr. Mahesh Prasanna K	XXXXXXX79C	Ph.D	Visvesvaraya Technological University	Image Processing	19/01/2015	11.4	Associate Professor	Professor	01/07/2020	Regular	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	66	65	66
UG1.C	65	66	66
UG1.D	66	66	97
UG1: Electronics & Communication Engineering	**197**	**197**	**229**
DS=Total no. of students in all UG and PG programs in the Department	197	197	229
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=** 197	**S2=** 197	**S3=** 229
DF=Total no. of faculty members in the Department	13	13	14
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=** 13	**F2=** 13	**F3=** 14
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= 17.91**	**SFR2= 17.91**	**SFR3= 19.08**
Average SFR for 3 years	**SFR= 18.30**		

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)	2	11	9.00	17.78
2024-25(CAYm1)	3	10	9.00	19.44
2023-24(CAYm2)	2	12	11.00	15.45

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	1.00	2.00	1.00	7.00	11.00
2024-25	1.00	1.00	2.00	2.00	7.00	10.00
2023-24	1.00	1.00	3.00	1.00	8.00	12.00
Average	RF1=1.00	AF1=1.00	RF2=2.33	AF2=1.33	RF2=7.33	AF2=11.00

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	5	8	6
2	No. of peer reviewed conference papers published	9	8	8
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	Fundamentals of Electronics and Communication Lab	29	CRO, signal generators, power supply, tag board, multimeter, solder-iron, decade boxes, discrete components, Digital trainer kit, IC tester, patch chord	06 hours	Hariprasad D	Foreman	Diploma in EC
2	Analog and Digital Systems Design Lab	33	CRO, signal generators, power supply, tag board, multimeter, solder-iron, decade boxes, discrete components, digital trainer kit, IC tester, patch chord	06 hours	Satheesh K	Sr.Lab Instructor	Diploma in EC

3	Typesetting using Latex	33	Computers, Software tool:TeXstudio	04 hours	Satheesh K	Sr.Lab Instructor	Diploma in EC
4	Electronic principle and circuit lab	33	Computers Software tool: Orcad pspice	04 hours	Rajesh A B	Sr.Lab Instructor	Diploma in EC
5	Digital System design using verilog lab	33	Computers, FPGA Spartan 3 interfacing kits, steppper motor, CRO, DC motor, hexkeypad, LCD display, logic	04 hours	Rajesh A B	Sr.Lab Instructor	Diploma in EC
6	Microcontroller Lab	33	Computers Software tool: Keil V3	04 hours	Rajesh A B	Sr.Lab Instructor	Diploma in EC
7	Communication Lab	33	CRO,Signal generators, power supply,Tag board, multimeter,solder-iron, DSBSC kit	06 hours	Satheesh K	Sr.Lab Instructor	Diploma in EC
8	Control system lab	33	Computers, Software tool: Matlab	04 hours	Hariprasad D	Foreman	Diploma in EC
9	Principle of communication lab	33	Computers, Software tool: Matlab	04 hours	Hariprasad D	Foreman	Diploma in EC
10	Digital Communication Lab	32	CRO,Signal generators, power supply,Tag board, multimeter,solder-iron, PCM kit.	04 hours	Satheesh K	Sr.Lab Instructor	Diploma in EC
11	DSP lab	32	Python 3 CCStudio v5, TMS320C67613	04 hours	Hariprasad D	Foreman	Diploma in EC
12	VLSI Design and Testing Lab	32	Computers, Software tool: Cadence	06 hours	Rajesh A B	Sr.Lab Instructor	Diploma in EC
13	IoT Lab	32	Computers, Bread Board, DC motors, Raspberrypi, Regulated Power supply, Sensors.	04 hours	Hariprasad D	Foreman	Diploma in EC
14	Embedded system lab	32	Computers, NXP LPC1768 controller, DC/ stepper motor, LCD display, DAC, ADC, Keypad. Software tool:	04 hours	Rajesh A B	Sr.Lab Instructor	Diploma in EC
15	Microwave and antenna lab	33	CRO,Signal generators, power supply,Tag board, multimeter,solderingon, Microwave Bench setup	04 hours	Satheesh K	Sr.Lab Instructor	Diploma in EC
16	Computer Network lab	33	Computers, NS 2 simulator.	04 hours	Rajesh A B	Sr.Lab Instructor	Diploma in EC

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures

1	Analog and digital system design lab	All users of the laboratory are to follow the directions of course teacher/laboratory technician staff member as given below: • Inspect laboratory equipment for visible damage before using it. If there is a problem with a piece of equipment report it to the technician or lecturer. DO NOT return faulty equipment to a storage area. • Keep soldering irons in their protective stand when not in use. DO NOT TOUCH the tip end of a soldering iron to check for heat. • DOUBLE CHECK circuits for proper connections and polarity prior to applying the power. • If water or a chemical is spilled onto equipment, shut off power at the main switch or circuit breaker and unplug the equipment. • Know where the safety equipment is. Essential equipment includes fire extinguisher and first aid kit.
2	Fundamentals of EC lab	All users of the laboratory are to follow the directions of course teacher/laboratory technician staff member as given below: • Inspect laboratory equipment for visible damage before using it. If there is a problem with a piece of equipment report it to the technician or lecturer. DO NOT return faulty equipment to a storage area. • If water or a chemical is spilled onto equipment, shut off power at the main switch or circuit breaker and unplug the equipment. • Know where the safety equipment is. Essential equipment includes fire extinguisher and first aid kit.
3	DSP/CS lab	All users of the laboratory are to follow the directions of course teacher/laboratory technician staff member as given below: • Do not bring any food or drinks near the machine. • Turn off the desktop system once you are done using it. • Do not plug in external devices without scanning them for computer viruses. • Try not to touch any of the circuit boards and power sockets when a device is connected to them and switched on. • Always maintain an extra copy of all your important data files. • Know where the safety equipment is. Essential equipment includes fire extinguisher and first aid kit.
4	CN/MC/PCS/DSD lab	All users of the laboratory are to follow the directions of course teacher/laboratory technician staff member as given below: • Do not bring any food or drinks near the machine. • Turn off the desktop system once you are done using it. • Do not plug in external devices without scanning them for computer viruses. • Try not to touch any of the circuit boards and power sockets when a device is connected to them and switched on. • Always maintain an extra copy of all your important data files. • Know where the safety equipment is. Essential equipment includes fire extinguisher and first aid kit.
5	VLSI/Latex/Project lab	All users of the laboratory are to follow the directions of course teacher/laboratory technician staff member as given below: • Do not bring any food or drinks near the machine. • Turn off the desktop sytem once you are done using it. • Do not plug in external devices without scanning them for computer viruses. • Try not to touch any of the circuit boards and power sockets when a device is connected to them and switched on. • Always maintain an extra copy of all your important data files. • Know where the safety equipment is. Essential equipment includes fire extinguisher and first aid kit.
6	Embedded system/EPC lab	All users of the laboratory are to follow the directions of course teacher/laboratory technician staff member as given below: • Do not bring any food or drinks near the machine. • Turn off the desktop system once you are done using it. • Do not plug in external devices without scanning them for computer viruses. • Try not to touch any of the circuit boards and power sockets when a device is connected to them and switched on. • Always maintain an extra copy of all your important data files. • Know where the safety equipment is. Essential equipment includes fire extinguisher and first aid kit.
7	IoT/Microwave lab	All users of the laboratory are to follow the directions of course teacher/laboratory technician staff member as given below: • Inspect laboratory equipment for visible damage before using it. If there is a problem with a piece of equipment report it to the technician or lecturer. DO NOT return faulty equipment to a storage area. • KEEP soldering irons in their protective STAND when not in use.DO NOT TOUCH the tip end of a soldering iron to check for heat. • DOUBLE CHECK circuits for proper connections and polarity prior to applying the power. • If water or a chemical is spilled onto equipment, shut off power at the main switch or circuit breaker and unplug the equipment. • Know where the safety equipment is. Essential equipment includes fire extinguisher and first aid kit.
8	DSP/CS lab	All users of the laboratory are to follow the directions of course teacher/laboratory technician staff member as given below: • Do not bring any food or drinks near the machine. • Turn off the desktop system once you are done using it. • Do not plug in external devices without scanning them for computer viruses. • Try not to touch any of the circuit boards and power sockets when a device is connected to them and switched on. • Always maintain an extra copy of all your important data files. • Know where the safety equipment is. Essential equipment includes fire extinguisher and first aid kit.

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	14	8	71
2024-25(CAYm1)	360	18	13	9	68
2025-26(CAY)	390	20	12	9	57

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	100.00	100.00	60.00	100.00	10.0	3.3	22.0	11.24
Library	7.37	5.02	25.96	22.83	21.79	23.32	22.08	17.34
Laboratory equipment	68.29	58.69	78.51	48.14	117.11	99.2	142.53	96.57
Teaching and non-teaching staff salary	938.50	879.24	886.36	873.94	787.34	792.11	708	700.21
Outreach Programs	0.0	0.03	0	0	0.00	0	0	0
R&D	6.50	0.00	6.50	1.42	10.50	1.22	10.50	0.17
Training, Placement and Industry linkage	38.22	41.06	26.32	37.27	19.05	8.48	44.65	30.83
SDGs	0	0	0	0.01	0	0.05	0	0
Entrepreneurship	0	0	0	0	0	0.02	1.0	0
OtheAdvertisement, Internet, Printing, Stationary, Grants,	657.49	461.91	538.94	492.1	556.33	502.61	502.71	507.35
Total	**1816.37**	**1545.95**	**1622.59**	**1575.71**	**1522.12**	**1430.31**	**1453.47**	**1363.71**

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	12.30	17.58	16.61	6.32	23.00	5.41	17.52	0.53

Software	0.0	0.0	0.0	9.53	0.0	0.0	0.0	0.0
SDGs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Support for faculty development	3.0	0.21	3.0	0.34	10.00	2.68	1.50	0.54
R & D	0.0	0.0	0	0.0	2.0	0.0	2.0	0.02
Industrial Training, Industry expert, Internship	5.74	6.16	3.99	5.65	2.91	1.30	2.14	1.87
Teaching and Non teaching staff salary, Advertisement,	243.02	181.06	251.26	175.53	175.66	167.08	172.88	171.28
Total	**264.06**	**205.01**	**274.86**	**197.37**	**213.57**	**176.47**	**196.04**	**174.24**