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: Electronics & Communication Engineering

A1: Name of the Institute: -
T. John Institute of Technology

Year of Establishment : 2006

Location of the Institute:

No. 86/1, Kammanahalli, Gottigere (PO), Bannerghatta Road, Bangalore Karnataka, 560083India

A2: Institute Address: -

City : Bangalore Urban **State : Karnataka**

Pin Code : 560083 **Website: www.tjohncollege.com**

E-mail : tjitprincipal@tjohngroup.com **Phone No (with STD Code): 080-49030591**

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: - (Tick the applicable choice)

Institute of National Importance	☐	Deemed University	☐
University	☐	Autonomous	☐
Non-Autonomous (Affiliated)	☑	Any other (Please specify) *	☐

Provide Details: Affiliated to Visvesvaraya Technological University

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: 06**
- **No. of PG programs: 01**

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	Artificial Intelligence and Machine Learning	2022	-	Artificial Intelligence and Machine Learning
2	UG	Computer Science and Engineering	2006	-	Computer Science and Engineering
3	UG	Computer Science and Engineering (Internet of Things and Cyber Security including Block chain Technology)	2023	-	Computer Science and Engineering (Internet of Things and Cyber Security including Block chain Technology)
4	UG	Data Science	2023	-	Data Science
5	UG	Electronics & Communication Engineering	2006	-	Electronics & Communication Engineering
6	UG	Information Science & Engineering	2007	-	Information Science & Engineering
7	PG	MCA	2023		MCA

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.	Electronics and Communication Engineering	Electronics and Communication 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.	NIL	NIL
…	NIL	NIL

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.	Electronics & Communication Engineering	2006	60	Yes	2024	South-West/1-44643130486/2025/EOA	Applying first time	0

* 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. Drakshayini M N

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	CAYm1	CAYm2	CAYm 3	CAYm4 (LYG)	CAYm5 (LYGm1)	CAYm6 (LYGm2)
N= Sanctioned intake of the program (as per AICTE/Competent authority)	60	60	30	30	30	60	120
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	33	29	30	26	25	4	17
N2= Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats		1	2	6	1	1	1
N3= Separate division if any			-	-	-	-	-
N4= Total no. of students admitted in the 1st year via all supernumerary quotas	3	3	1	2	2	3	6
Total number of students admitted in the program (N1 + N2 + N3+ N4) - excluding those admitted through multiple entry and exit points.	36	33	33	34	28	08	24

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	CAYm1	CAYm2
N= Sanctioned intake of the program in the 1st year (as per AICTE/Competent authority)	60	60	30
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	33	29	30
N4= Total no. of students admitted in the 1st year via all supernumerary quotas	03	3	1
Enrolment Ratio (ER)= (N1+N4)/N	ER_1 60	ER_2 53.33	ER_3 103.00
Average ER= (ER_1+ ER_2+ ER_3)/3	72.11%		

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	LYGm1	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).	28	10	24
B=No. of students who graduated from the program in the stipulated course duration	16	6	9
Success Rate (SR)= (B/A)*100	SR_1 55.17	SR_2 60	SR_3 37.5
Average SR of three batches ((SR_1+SR_2+ SR_3)/3)	51.546		

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	CAYm2	CAYm3
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)	(24-25) 6.62	(23-24) 7.055	(22-23) 6.673
Y= Total no. of successful students	32	30	27
Z = Total no. of students appeared in the examination	32	30	27
API = X* (Y/Z)	API_1 6.62	API_2 7.05	API_3 6.673
Average API = (API_1 + API_2 + API_3)/3	6.761		

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	CAYm2	CAYm3
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)	(24-25) 7.5978	(23-24) 7.79	(22-23) 6.48
Y= Total no. of successful students	32	33	27
Z =Total no. of students appeared in the examination	32	33	27
API = X* (Y/Z)	API_1 7.5978	API_2 7.79	API_3 6.48
Average API = (API_1 + API_2 + API_3)/3	7.289		

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	CAYm2	CAYm3
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)	(24-25) 6.96	(23-24) 7.07	(22-23) 6.35
Y= Total no. of successful students	33	27	9
Z= Total no. of students appeared in the examination	33	27	9
API = X* (Y/Z)	AP_1 6.96	AP_2 7.07	AP_3 6.35
Average API = (API_1 + API_2 + API_3)/3	6.793		

B9: Placement, Higher Studies, and Entrepreneurship

Table No. B9.1: Placement, higher studies, and entrepreneurship details.

Item	LYG	LYGm1	LYGm2
FS*=Total no. of final year students	27	10	20
X= No. of students placed	15	5	16
Y= No. of students admitted to higher studies	0	-	2
Z= No. of students taking up entrepreneurship	0	-	-
X + Y + Z =	15	5	18
Placement Index (P) = (((X + Y + Z)/FS) * 100)	P_1 55.55	P_2 50	P_3 90
Average placement index = (P_1 + P_2 + P_3)/3	65.18		

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

Sr.No.	Name of the Faculty	Highest Degree	University Name	Area of Specialization	Date of Joining in this Institution	Experience in current institute(in years)	Designation at Time Joining in this Institution	Present Designation	Date (Designated as Prof/Assoc. Prof.)	Nature of Association	If contractual mention Full	Currently Associated (Yes/No)	Date of Leaving(in case of NO)
1	Dr. Drakshayini M N	M.Tech and Ph.D.	Reva University	Wireless Communiation	07-07-2008	17.3	Assistant Professor	Associate Professor	01-10-2012	Regular	No	Yes	
2	Dr. Parameshappa. G	M.E. and Ph.D.	Visvesvaraya Technological University	Signal Processing and VLSI	04-08-2025	0.2	Professor	Professor	04-08-2025	Regular	No	Yes	
3	Dr. V Manjunatha	M.Tech and Ph.D.	Shri Jagdishprasad Jhabarmal Tibrewala University, University in Jhunjhunu, Rajasthan	Image Compression	06-10-2021	4	Associate Professor	Professor	01-07-2023	Regular	No	Yes	
4	Dr. N. R. Dhineshbabu	M.Tech and Ph.D.	ANNA UNIVERSITY, CHENNAI	Nanotechnology	02-06-2023	2.4	Associate Professor	Associate Professor	02-06-2023	Regular	No	Yes	
5	Dr. Poornima	M.Tech and Ph.D.	Visvesvaraya Technological University	Polymer nanocomposites	27-10-2022	3	Associate Professor	Associate Professor	27-10-2022	Regular	No	Yes	
6	Dr. Rajan V R	M.E. and Ph.D.	ANNA UNIVERSITY, CHENNAI	Power electronics	05-08-2024	1.2	Associate Professor	Associate Professor	05-08-2024	Regular	No	Yes	
7	Dr. D Rene Dev	M.E. and Ph.D.	ANNA UNIVERSITY, CHENNAI	Wireless Sesnsor Netwroks	18-08-2025	0.2	Associate Professor	Associate Professor	18-08-2025	Regular	No	Yes	
8	Mrs. J.Aarthy Suganthi Kani	M.Tech	Karunya Institute of Technology and Science	VLSI Design	19-02-2018	7.7	Assistant Professor	Assistant Professor		Regular	No	Yes	
9	Ms. Gouri M S	M.Tech	Mahatma Gandhi University	VLSI and Embedded Systems	15-07-2021	4.3	Assistant Professor	Assistant Professor		Regular	No	Yes	
10	Mrs. Sylvia Raj Isreal	M.Tech	Visvesvaraya Technological University	VLSI Design and Embedded Systems	05-08-2024	1.2	Assistant Professor	Assistant Professor		Regular	No	Yes	
11	Dr. B Srilatha	M.Tech and Ph.D.	GITAM UNIVERSITY, VISAKHAPATNAM	Image processing	12-08-2025	0.2	Associate Professor	Associate Professor	12-08-2025	Regular	No	Yes	

12	Dr. P. Suresh Venugopal	M.E. and Ph.D.	ANNA UNIVERSITY, CHENNAI	Digital Image Processing	15-02-2021	3.11	Professor	Professor	15-02-2021	Regular	No	No	08-02-2025
13	Ms. Varsha C Parihar	M.Tech	Visvesvaraya Technological University	Digital Electronics and Communication	29-07-2022	2.11	Assistant Professor	Assistant Professor		Regular	No	No	03-07-2025
14	Mr. Sai Prabhu K B	M.Tech	Visvesvaraya Technological University	VLSI Design and Embedded Systems	04-01-2023	2.6	Assistant Professor	Assistant Professor		Regular	No	No	17-07-2025
15	Mrs. Nisha Joy Thomas	M.Tech	Visvesvaraya Technological University	Digital Communication and Networking	27-07-2015	8.9	Assistant Professor	Assistant Professor		Regular	No	No	30-04-2024
16	Mrs. Deepa Mathew K	M.Tech	Karunya Institute of Technology and Science	Communication Systems	22-08-2022	1.8	Assistant Professor	Assistant Professor		Regular	No	No	03-05-2024
17	Dr. Prabhin V. S.	M.Tech and Ph.D.	ANNA UNIVERSITY, CHENNAI	Supercapacitor	15-09-2022	2.2	Assistant Professor	Assistant Professor		Regular	No	No	12-12-2024

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

Sr.No.	Name of the Faculty	Highest Degree	University Name	Area of Specialization	Date of Joining in this Institution	Experience in current institute(in years)	Designation at Time Joining in this Institution	Present Designation	Date (Designated as Prof/Assoc. Prof.)	Nature of Association	If contractual	Currently Associated	Date of Leaving(in case of NO)
1	NIL												
2													

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

Student	CAY(25-26)	CAYm1 (24-25)	CAYm2(23-24)
UG_1. B II	32	32	33
UG_1. C III	32	32	27
UG_1. D IV	32	27	10
UG_1 **(UG-Engineering-ISE)**	94	91	70
DS=Total no. of students in the Department (UG_1, UG_2, UG_4, UG_5, PG_1)	94	91	70
AS=Total no. of students in allied departments (UG_6)	…..	…..	…..
S=Total no. of students in the Department (DS) and allied departments (AS)	S1= 94	S2=91	S3=70
DF=No. of faculty members in the Department	11	10	12
AF=No. of faculty members in the allied Departments	…..	…..	…..
F= Total no. of faculty members in the Department (DF) and allied Departments (AF)	11	10	12

FF=The faculty members who have a 100% teaching load in the first-year courses	2	1	2
Student Faculty Ratio (SFR)=S/(F-FF)	**10.44**	**10.11**	**7**
Average SFR for 3 years	Average SFR=(SFR1+SFR2+SFR3)/3=(10.44+10.11+7)/3=27.55/3= **9.18**		

C3: Faculty Qualification

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQI= 2.5 * [(10X +4Y)/RF]
CAY	8	3	9	10.0
CAYm1	5	5	9	19.4
CAYm2	5	7	9	21.6
Average Assessment				51/3=17

C4: Faculty Cadre Proportion

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	1	2	2	6	6	3
CAYm1	1	1	2	3	6	6
CAYm2	1	2	2	2	6	8
Average Numbers	RF1=1	AF1=1.66	RF2=2	AF2=3.66	RF3=6	AF3=5.66

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				
1	Mr. Sachin Rindhe	Principal Manager, Math works	Digital Communication	25
2	Mr. Sachin Rindhe	Principal Manager, Math works	Digital Communication	25
			Total no. of hours:	50

CAYm2				
1	Mr. Sachin Rindhe	Principal Manager, Math works	Embedded System Design	25
2	Mr. Sachin Rindhe	Principal Manager, Math works	Embedded System Design	25
			Total no. of hours:	50
CAYm3				
1	Mr. Suhas A R	Technical Consultant – Senior Software Engineer, Global Edge Software Ltd	Computer Communication Networks	25
2	Mr. Suhas A R	Technical Consultant – Senior Software Engineer, Global Edge Software Ltd	Computer Communication Networks	25
			Total no. of hours:	50

C6: Academic Research

Table No. C6.1: Faculty publication details.

S.N.	Item	CAYm1	CAYm2	CAYm3
1	No. of peer reviewed journal papers published	16	6	12
2	No. of peer reviewed conference papers published	4	1	0
3	No. of books/book chapters published	1	2	1

C7: Sponsored Research Project

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

S.N.	PI name	Co-PI Names if any	Name of the Dept., Where project is sanctioned	Project title*	Name of the Funding agency	Duration of the project	Amount (Lacs)
CAYm1							
1			NIL				
..							
						Amount received (Rs.)	
CAYm2							
1			NIL				
…							
						Amount received (Rs.)	
CAYm3							
1			NIL				
..							
						Amount received (Rs.)	
						Total Amount (Lacs) Received for the Past 3 Years	

C8: Consultancy Work

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

S.N.	PI name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project title*	Name of the Funding agency	Duration of the project	Amount (Lacs)
CAYm1							
1			NIL				
..							
						Amount received (Rs.)	
CAYm2							
1			NIL				
…							
						Amount received (Rs.)	
CAYm3							
1			NIL				
..							
						Amount received (Rs.)	
						Total amount (Lacs) received for the past 3 years	

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
CAY						
1	Dr. N. R. Dhineshbabu	CeO2 nanoparticle Characterisation, PPy/SWCNT nanocomposite for EMI Shielding application	6 months	0.45	0.45	Publication
2	Dr. Rajan V R	Load variation based optimal reactive power support in a Electric power network	2 months	0.45	0.45	Publication
3	Dr. Rajan V R	Financial based assessment in Load variation	3 month	0.275	0.275	Publication
CAYm1						
1	Dr. Dhineshbabu N R	XRD peak profile of Ceria nanoparticles and study of triboelectric Nano generator	6 Months	0.12	0.12	Integrating the Particles & Validating their potential energies
CAYm2						
1	Dr. Dhineshbabu N R	Studies on batch adsorption of Ni-Co-Zn layered triple hydroxide	3 Months	0.055	0.055	Publication
2	Dr. V. S. Prabhin	Effective Utilization and Characterization of Carbon Derived from Non-biodegradable Waste Based Electrical Switches for Super capacitor Applications: A Green Approach	3 Months	0.035	0.035	Publication
3	Dr. Drakshayini M N	Design of a Deep Learning based Intelligent Receiver for a wireless communication system	3 Months	0.035	0.035	Publication
CAYm3						
1	Dr. Drakshayini M N	Estimation of Rayleigh flat channel coefficients using deep learning	3 Months	0.025	0.025	Publication

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	**Room No. 113A** VLSI Lab Labview Laboratory Digital System Design using Verilog Laboratory Principles of Communication System Lab Digital Signal Processing Laboratory Control System Laboratory	30	PC with Core i5-12th Gen/16 GB RAM/512 GB SSd/ Windows 11 with VHDL softwares-30 Nos Cadence Software ARM Cortex Evaluation Board-12 Nos XILINX FPGA Board-12 Nos Octave simulation software version 10.2.0	6 Hours	Mr. Nagaraj Gowda Patil	Lab Instructor	B. E
2	**Room No. 113B** Electronics Principles and Circuits Laboratory Embedded system design Laboratory IoT Laboratory Computer Networks Lab Microcontroller Laboratory	30	LTspice(x64) Version 24.1.10 Keil uVision 5 for 8051 is **C51, version 9.61** 8051 Microcontroller board-10 Nos Network Simulator 2	4 Hours	Mr. Yashas	Lab Instructor	B. E
3	**Room No. 210A** Advanced Digital Communication laboratory	30	CRO-20/30 MHz – 06 Nos Microwave antenna experimental setups – 08	2 Hours	Mr Chandan K	Lab Instructor	B. E
4	**Room No. 210 B** Analog Communication laboratory	30	DSO-20/30 MHz – 05 Nos Signal generators -10 Nos	2 Hours	Mr Satish Sanghamesh Gani	Lab Instructor	B. E

5	**Room No. 213 A** Analog and Digital System Design Laboratory	30	CRO-20 /30MHz – 08 Nos DSO 25MHz- 04 Nos. Signal generators-10 Nos	2 Hours	Mr Chandan MS	Lab Instructor	B. E
6	**Room No. 213 B** Analog Electronic Circuits Laboratory	30	DSO 25MHz- 06 Nos Signal generators -10 Nos Digital IC Tester-1 No	2 Hrs	Mr Mani Shankar	Lab Instructor	B. E
7	**Room No. 233 A** Basic Electrical Engineering Laboratory	30	DSO 25 MHz- 2 Nos RO 20/30 MHz- 3 Nos Sufficient number of Voltmeters, ammeters, multimeters, power supplies, transformers, and components like resistors, capacitors, inductors, lamps, safety equipment like MCBs and fuses, and tools for assembly etc	2 Hrs	Mr. Yashas	Lab Instructor	B. E
8	**Room No. 233 B** **Basic Electronics Laboratory**	30	DSO 25 MHz- 2 Nos RO 20/30 MHz- 3 Nos nal Generators- 10 Nos Sufficient number of Power supplies, multimeters, soldering stations ,and hand tools like wire strippers, pliers, and screwdrivers ,breadboards for temporary circuits	2 Hrs	Mr Satish Sanghamesh Gani	Lab Instructor	B. E

D2: `Safety Measures in Laboratories

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

SI. No	Name of the Laboratory	Safety Measures
1	Digital System Design using Verilog Laboratory	**General Safety Rules**-General Rules of Conduct in Laboratories are displayed. **Specific Safety Rules**- Displayed for students in laboratories. **First Aid Box** - Contains bandages, antiseptics, burn creams, etc. for giving first aid **Fire Extinguisher** - fire extinguishers are installed to quickly control small fires caused by electrical faults, or electronic equipment's **CC TV camera**

2	Analog and Digital System Design Laboratory	**General Safety Rules**-General Rules of Conduct in Laboratories are displayed. **Specific Safety Rules**- Displayed for students in laboratories. **First Aid Box** - Contains bandages, antiseptics, burn creams, etc. for giving first aid **Fire Extinguisher** - fire extinguishers are installed to quickly control small fires caused by electrical faults, or electronic equipment's **CC TV camera**
3	Electronics Principles and Circuits Laboratory	**General Safety Rules**-General Rules of Conduct in Laboratories are displayed. **Specific Safety Rules**- Displayed for students in laboratories. **First Aid Box** - Contains bandages, antiseptics, burn creams, etc. for giving first aid **Fire Extinguisher** - fire extinguishers are installed to quickly control small fires caused by electrical faults, or electronic equipment's **CC TV camera**
4	Analog Electronics Circuits Laboratory	**General Safety Rules**-General Rules of Conduct in Laboratories are displayed. **Specific Safety Rules**- Displayed for students in laboratories. **First Aid Box** - Contains bandages, antiseptics, burn creams, etc. for giving first aid **Fire Extinguisher** - fire extinguishers are installed to quickly control small fires caused by electrical faults, or electronic equipment's **CC TV camera**
5	Principles of Communication System Lab	**General Safety Rules**-General Rules of Conduct in Laboratories are displayed. **Specific Safety Rules**- Displayed for students in laboratories. **Fire Extinguisher** - fire extinguishers are installed to quickly control small fires caused by electrical faults, or electronic equipment's **CC TV camera** **Antivirus –** Installed in all system
6	Communication Laboratory	**General Safety Rules**-General Rules of Conduct in Laboratories are displayed. **Specific Safety Rules**- Displayed for students in laboratories. **Fire Extinguisher** - fire extinguishers are installed to quickly control small fires caused by electrical faults, or electronic equipment's **CC TV camera** **Antivirus –** Installed in all system

7	Microcontroller Laboratory	**General Safety Rules**-General Rules of Conduct in Laboratories are displayed. **Specific Safety Rules**- Displayed for students in laboratories. **Fire Extinguisher** - fire extinguishers are installed to quickly control small fires caused by electrical faults, or electronic equipment's **CC TV camera** **Antivirus –** Installed in all system
8	Digital Signal Processing Laboratory	**General Safety Rules**-General Rules of Conduct in Laboratories are displayed. **Specific Safety Rules**- Displayed for students in laboratories. **Fire Extinguisher** - fire extinguishers are installed to quickly control small fires caused by electrical faults, or electronic equipment's **CC TV camera** **Antivirus –** Installed in all system
9	Digital Communication Laboratory	**General Safety Rules**-General Rules of Conduct in Laboratories are displayed. **Specific Safety Rules**- Displayed for students in laboratories. **Fire Extinguisher** - fire extinguishers are installed to quickly control small fires caused by electrical faults, or electronic equipment's **CC TV camera** **Antivirus –** Installed in all system

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.	Project Laboratory/ Research Laboratory **R. No. 211**: • PC with Core i5-12th Gen/16 GB RAM/512 GB SSd/ Windows 11 with V.. HDL, Keil and LTspice software's- 05 Nos • Signal generators-2 Nos • CRO-20 MHz - 2 Nos • DSO 25MHz- 2 Nos • DSO 60 MHz-1 No. • Digital IC Tester-1 No

PART E: Fist 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))/RF4
CAY	480	24	18	6	$\frac{(18X0.8)+(6X0.2)}{24} == \frac{15.6}{24} = 0.65X100 = 65\%$
CAYm 1	480	24	19	6	$\frac{(19X0.8)+(6X0.2)}{24} == \frac{16.4}{24} = 0.68X100 = 68\%$
CAYm 2	360	18	14	8	$\frac{(14X0.8)+(8X0.2)}{18} = \frac{12.8}{18} = 0.71X100 = 71\%$

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 CFY	Actual expenses in CFY (till …)	Budgeted in CFYm1	Actual Expenses in CFYm1	Budgeted in CFYm2	Actual Expenses in CFYm2	Budgeted in CFYm3	Actual Expenses in CFYm3
Infrastructure Built-Up	2839839	2650132	763490	508993	5456267	3637517	6268406	4178937
Library	706061	21698	641874	493749	564841	434493	547450	421115
Laboratory equipment	7514479	6370612	3194981	2282129	7815114	5210076	5002355	3334903
Teachingand non-teaching staff salary	66567001	30821773	60515455	46550350	70867075	44291922	55702250	37134833
Outreach Programs	861716	533412	783378	435210	593628	349193	4295954	2684971
R&D	14520	659664	13200	5500	748791	534851	100000	0
Training, Placement and Industry linkage	6340574	4042591	5764158	4117256	2252036	1608597	1060380	589100
SDGs	369600	1050	336000	210000	728685	485790	2093264	1101718
Entrepreneurship	1650000	180000	1500000	0	1500000	0	1000000	0
Others*, pl. specify	62899057	29898003	62635507	56941370	60038696	54580633	87284175	62345839
Total amount	**149762847**	**75178935**	**136148043**	**109416941**	**150565143**	**106438089**	**163354231**	**102017072**

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 CFY	Actual expenses in CFY (till ...)	Budgeted in CFY*m*1	Actual Expenses in CFY*m*1	Budgeted in CFY*m*2	Actual Expenses in CFY*m*2	Budgeted in CFY*m*3	Actual Expenses in CFY*m*3
Laboratory equipment	410849	205424.5	373499	287307	212524	177103	598566	498805
Software	50000	25000	50000	0	25000	0	50000	0
SDGs	50000	25000	220000	200000	60000	50000	50000	0
Support for faculty development	16170	8085	14700	12250	67972	61793	536457	487688
R & D	50000	25000	18000	15000	25000	0	25000	0
Industrial Training, Industry expert, Internship	376441	188220.5	342219	2632456	89418	74515	226494	188745
Miscellaneous expenses *	1761841	880920.5	1761841	1468201	1820284	1516903	1511164	1259303
Total amount	2715301	1357651	2780259	2246003	2300198	1880314	2997681	2434541