NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electrical & Electronics Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 10959	**Date of Submission**: 03-09-2025

PART A- Profile of the Institute

A1.Name of the Institute: GLOBAL ACADEMY OF TECHNOLOGY	
Year of Establishment : 2001	Location of the Institute: Bengaluru
A2. Institute Address:IDEAL HOMES TOWNSHIP2ND STAGEOFF MYSORE ROADRAJARAJESHWARINAGARBENGALURU	
City:Bangalore Urban	State:Karnataka
Pin Code:560098	Website:www.gat.ac.in
Email:principal@gat.ac.in	Phone No(with STD Code):80-28603158
A3. Name and Address of the Affiliating University (if any):	
Name of the University : VISVESVARAYA TECHNOLOGICAL UNIVERSITY	City: Bangalore Urban
State : Karnataka	Pin Code: 560098
A4. Type of the Institution: Autonomous CAY(2020-21)	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **10**
- No. of PG programs: **3**

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	Aeronautical Engineering	2020	--	Aeronautical Engineering
2	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Artificial Intelligence and Data Science
3	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2021	--	Artificial Intelligence and Machine Learning
4	Engineering & Technology	UG	Civil Engineering	2004	--	Civil Engineering
5	Engineering & Technology	UG	Computer Science and Engineering	2001	--	Computer Science and Engineering

6	Engineering & Technology	PG	Computer Science and Engineering	2014	--	Computer Science and Engineering
7	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2022	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
8	Engineering & Technology	UG	Electrical and Electronics Engineering	2001	--	Electrical and Electronics Engineering
9	Engineering & Technology	UG	Electronics & Communication Engineering	2001	--	Electronics and Communication Engineering
10	Engineering & Technology	UG	Information Science & Engineering	2001	--	Information Science and Engineering
11	Engineering & Technology	UG	Mechanical Engineering	2003	--	Mechanical Engineering
12	Engineering & Technology	PG	Structural Engineering	2013	--	Civil Engineering
13	Management	PG	Master of Business Administration	2004	--	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
Mechanical Engineering	No	Mechanical 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:
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. DEEPIKA MASAND
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)	2024-25 (CAY)	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)	2020-21 (CAYm4)	2019-20 (CAYm5)	2018-19 (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	42	50	47	37	46	45	44
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	4	6	17	20	10	14
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	3	3
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	45	57	56	57	69	58	61

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]
2024-25 (CAY)	60	42	3	75.00
2023-24 (CAYm1)	60	50	3	88.33
2022-23 (CAYm2)	60	47	3	83.33

Average [(ER1 + ER2 + ER3) / 3] = 82.22≡ 17.00

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	(2020-21) LYG	(2019-20) LYGm1	(2018-19) 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).	80.00	70.00	74.00
B=No. of students who graduated from the program in the stipulated course duration	64.00	49.00	51.00
Success Rate (SR)= (B/A) * 100	80.00	70.00	68.92

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 72.97

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(2023-24)	CAYm2(2022-23)	CAYm3 (2021-22)
Mean of CGPA or mean percentage of all successful students(X)	6.39	6.56	6.00
Y=Total no. of successful students	48.00	47.00	37.00
Z=Total no. of students appeared in the examination	51.00	47.00	37.00
API [X*(Y/Z)]	6.01	6.56	6.00

Average API[(AP1+AP2+AP3)/3] : 6.19

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
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)	5.22	5.69	6.08
Y=Total no. of successful students	53.00	54.00	69.00
Z=Total no. of students appeared in the examination	53.00	54.00	69.00
API [X * (Y/Z)]	5.22	5.69	6.08

Average API [(AP1 + AP2 + AP3)/3] : 5.66

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
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)	6.34	7.00	6.91
Y=Total no. of successful students	54.00	69.00	57.00
Z=Total no. of students appeared in the examination	54.00	69.00	57.00
API [X*(Y/Z)]:	6.34	7.00	6.91

Average API [(AP1 + AP2 + AP3)/3] : 6.75

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2020-21)	LYGm1(2019-20)	LYGm2(2018-19)
FS*=Total no. of final year students	80.00	70.00	74.00
X=No. of students placed	44.00	42.00	45.00
Y=No. of students admitted to higher studies	4.00	3.00	2.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	60.00	64.29	63.51

Average Placement Index = (P_1 + P_2 + P_3)/3: 62.60 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	Dr. DEEPIKA MASAND	XXXXXXX90D	Ph.D	MANIT BHOPAL	Power Electronics	01/10/2020	4.10	Professor	Professor	01/10/2020	Regular	Yes		Yes
2	BALAGOPALREDDY. G	XXXXXXX58E	M.Tech	JNTU, ANANTHAPUR	Electrical Power Systems	07/07/2008	17.1	Lecturer	Associate Professor		Regular	Yes		No
3	Dr. RUMA SINHA	XXXXXXX67P	Ph.D	VTU, Belgaum	Power Quality	09/02/2007	18.6	Lecturer	Associate Professor	01/08/2012	Regular	Yes		No
4	Dr. G. JAYACHITRA	XXXXXXX12L	Ph.D	VTU, BELGAUM	Power & Energy Systems	26/10/2004	20.10	Lecturer	Associate Professor	01/08/2012	Regular	Yes		No
5	Dr. NAGARATHNA . K	XXXXXXX55L	Ph.D	VTU, BELGAUM	Power Electronics	01/02/2006	19.7	Lecturer	Associate Professor	01/08/2012	Regular	Yes		No
6	Dr. HEMACHANDRA REDDY K	XXXXXXX19A	Ph.D	JNTU, ANANTHAPUR	Power Systems	13/07/2016	9.1	Associate Professor	Associate Professor	13/07/2016	Regular	Yes		No

7	Dr. SRINIVASAN SUNDARA RAJAN	XXXXXXX65G	Ph.D	ANNA UNIVERSITY	Power Quality	23/09/2024	0.11	Associate Professor	Associate Professor	23/09/2024	Regular	Yes		No
8	PREETHA N P	XXXXXXX47K	M.Tech	JNTU, HYDERABAD	Power Electronics	11/09/2023	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No
9	SWATHI Y C	XXXXXXX78C	M.Tech	VTU, BELGAUM	Power Electronics	20/09/2023	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No
10	SHRUTI S ATHANIKAR	XXXXXXX36P	M.Tech	VTU, Belgaum	Power Electronics	26/10/2023	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No
11	PUSHPARAJ H	XXXXXXX32L	M.Tech	VTU, BELGAUM	Power Electronics	06/11/2023	1.9	Assistant Professor	Assistant Professor		Regular	Yes		No
12	APARNA DAS	XXXXXXX91G	M.Tech	APJ Abdul Kalam University	Power Electronics	15/05/2023	0.5	Assistant Professor	Assistant Professor		Regular	No	07/11/2023	No
13	Dr. BINU KRISHNAN U	XXXXXXX97C	Ph.D	NIT, CALICUT	Micro Grid	16/08/2023	0.11	Assistant Professor	Assistant Professor		Regular	No	29/07/2024	No
14	Dr. P K KULKARNI	XXXXXXX86D	Ph.D	IIT ROORKEE	Biomedical Instrumentation & Signal	01/01/2019	4.6	Professor	Professor	01/01/2019	Regular	No	31/07/2023	No
15	HARSHINI VERONICA	XXXXXXX98H	M.Tech	VTU, BELGAUM	Power Electronics	21/03/2022	2.1	Assistant Professor	Assistant Professor		Regular	No	02/05/2024	No
16	MAUSRI BHUYAN	XXXXXXX94G	M.Tech	NIT, SILCHAR	Power system Engineering	21/09/2022	0.7	Assistant Professor	Assistant Professor		Regular	No	28/04/2023	No
17	VINAY BK	XXXXXXX28K	M.Tech	VTU, BELGAUM	Computer Applications in Industrial Drives	05/05/2025	0.3	Assistant Professor	Assistant Professor		Regular	Yes		No
18	BHARATH G K	XXXXXXX18J	M.Tech	VTU, Belgaum	Power Electronics	23/12/2021	1.5	Assistant Professor	Assistant Professor		Regular	No	29/05/2023	No
19	HARSHITHA H	XXXXXXX06G	M.Tech	VTU, Belgaum	Power Electronics	04/06/2025	0.2	Assistant Professor	Assistant Professor		Regular	Yes		No
20	AFROZ PASHA	XXXXXXX38F	M.Tech	VTU, BELGAUM	Computer Applications in Industrial Drives	20/08/2025	0	Assistant Professor	Assistant Professor		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(2024-25)**	**CAYm1 (2023-24)**	**CAYm2 (2022-23)**
UG1.B	64	66	66
UG1.C	66	66	66
UG1.D	66	66	66
UG1: Electrical and Electronics Engineering	**196**	**198**	**198**
DS=Total no. of students in all UG and PG programs in the Department	196	198	198
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=** 196	**S2=** 198	**S3=** 198
DF=Total no. of faculty members in the Department	10	8	9
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=** 10	**F2=** 8	**F3=** 9
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)	**SFR1= 19.60**	**SFR2= 24.75**	**SFR3= 22.00**
Average SFR for 3 years	**SFR= 22.12**		

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)]
2024-25(CAY)	4	6	9.00	17.78
2023-24(CAYm1)	4	4	9.00	15.56
2022-23(CAYm2)	2	7	9.00	13.33

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
2024-25	1.00	1.00	2.00	3.00	6.00	6.00
2023-24	1.00	1.00	2.00	2.00	6.00	5.00
2022-23	1.00	2.00	2.00	0.00	6.00	7.00
Average	RF1=1.00	AF1=1.33	RF2=2.00	AF2=1.67	RF2=6.00	AF2=6.00

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)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	NIL	NIL	NIL	NIL	0.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	NIL	NIL	NIL	NIL	0.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	NIL	NIL	NIL	NIL	0.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)
1	No. of peer reviewed journal papers published	1	3	13
2	No. of peer reviewed conference papers published	5	3	4
3	No. of books/book chapters published	0	1	2

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
nil	nil	nil	nil	nil	nil	0.00
						Amount received (Rs.):0.00

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
nil	nil	nil	nil	nil	nil	0.00
						Amount received (Rs.):0.00

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
nil	nil	nil	nil	nil	nil	0.00
						Amount received (Rs.):0.00

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)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
nil	nil	nil	nil	nil	nil	0.00
						Amount received (Rs.):0.00

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
nil	nil	nil	nil	nil	nil	0.00
						Amount received (Rs.):0.00

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
nil	nil	nil	nil	nil	nil	0.00
						Amount received (Rs.):0.00

Total amount (Lacs) received for the past 3 years: 0.00

Note*:

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

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

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

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Nagarathna K	Autonomous system Retrofit with solar powered cooling and enhanced safety systems	18 months	1.10	0.80	In Progress
			Amount received (Rs.): 1.10		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Nagarathna K	Development of Electric Gokart	6 months	1.17	1.17	participated in ISIE Indian Karting Race-2023, won Runner up in Acceleration
			Amount received (Rs.): 1.17		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
nil	nil	nil	0.00	0.00	nil
			Amount received (Rs.): 0.00		

Total amount (Lacs) received for the past 3 years : 2.27

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	Electrical Machines Lab	4	• 1 kVA & 2 kVA Single Phase Transformer. Single Phase Squirrel Cage	4 Hours per we	Ramesh M / Srinivas	Lab Instructor / Lab A	DEEE / ITI
2	Analog Electronic Lab.	4	• Cathode Ray Oscilloscope, • Dc Regulated Power Supply, • Function	4 Hours per we	Sowmyashree S R /	Lab Instructor / Lab A	DEEE / ITI
3	Digital Logic Design	4	• Digital IC Trainer Kits, • Digital IC & LIC Testers.	4 Hours per we	Nayaz Pasha /Sowm	Lab Instructor / Asst.	B.E/DEEE
4	Power Electronics Lab.	4	• PE Modules : SCR, TRIAC & DIAC Circuit, UJT Triggering circuit.AC Voltage	4 Hours per we	Sowmyashree S R /	Lab Instructor / Asst.	DEEE / ITI
5	Auto CAD Lab	1	• DELL INTEL CORE I5 2GHZ WINDOWS11, SSD 1TB, 6GB RAM-(TOTAL-	4 Hours per we	Nayaz pasha /Rame	Lab Instructor	B.E/DEEE
6	Relay & High Voltage Lab	4	• DELL INTEL CORE I5 CPU, 2GHZ WINDOWS11, SSD 1TB, 6GB RAM-(TOTAL-	4 Hours per we	Nayaz Pasha / Thip	Lab Instructor / Asst	BE / ITI
7	Electric Vehicles Lab.	1	• DELL INTEL CORE I5 CPU, 2GHZ WINDOWS11, SSD 1TB, 6GB RAM-(TOTAL-	4 Hours per we	Nayaz Pasha / Thip	Lab Instructor / Asst	BE / ITI
8	Control Systems Lab.	4	• Compensator Study Module. • Time & Frequency Response Of Second Order	4 Hours per w	Sowmyashree S R /	Lab Instructor / Lab A	DEEE / ITI
9	Power Systems simulation Lab	1	• DELL INTEL CORE I5 CPU, 2GHZ WINDOWS11, SSD 1TB, 6GB RAM-(TOTAL-	4 Hours per we	Nayaz Pasha / Vinay	Lab Instructor / Lab A	BE / ITI
10	Embedded System Laboratory	2	• DELL INTEL CORE I5 CPU, 2GHZ WINDOWS11, SSD 1TB, 6GB RAM-(TOTAL-	4 Hours per we	Nayaz Pasha / Vinay	Lab Instructor / Lab A	BE / ITI
11	IOT Lab.	2	• DELL INTEL CORE I5 CPU, 2GHZ WINDOWS11, SSD 1TB, 6GB RAM-(TOTAL-	4 Hours per we	Nayaz Pasha / Thipp	Lab Instructor / Asst.	BE / ITI

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Electrical Machines Laboratory	Fire Extinguisher, rubber mats, circuit breakers, starters& Fuses. First Aid Box

2	Power System Simulation Laboratory	Fire Extinguisher, K7-anti-virus software . First Aid Box
3	Control Systems Laboratory	Fire Extinguisher, MCB, K7-anti-virus software. First Aid Box
4	Power Electronics Laboratory	Fire Extinguisher K7-anti-virus software. First Aid Box
5	Relay and High Voltage Laboratory	Fire Extinguisher, rubber mats, sand buckets First Aid Box,MCB.

D3. Project Laboratory/Research Laboratory

S.No	Name of Lab/COE	Utilization
1	Project laboratory	The **Project Laboratory** provides a dynamic space for students to work on both academic and competitive projects. It is equipped with systems, microcontrollers, power supplies, and other essential tools for practical implementation and innovation.
2	Centre of Excellence (CoE) -SCADA	The **SCADA Centre of Excellence** serves as a specialized skill development lab where students gain hands-on experience and work on interfacing devices and designing SCADA systems using RTUs for real-time industrial applications.

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
2022-23(CAYm2)	960	48	21	62	61
2023-24(CAYm1)	960	48	19	78	64
2024-25(CAY)	1260	63	25	83	58

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 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	Budgeted in 2021-22	Actual Expenses in 2021-22 till
Infrastructure Built-Up	50000000.00	31232226.00	50000000.00	49162342.00	5000000.00	785517.00	15000000.00	12640160.00
Library	4300000.00	808447.00	2000000.00	1432417.00	2000000.00	981259.00	1000000.00	605816.00
Laboratory equipment	45587500.00	46812342.00	3000000.00	2784511.00	3000000.00	1503497.00	2000000.00	1027592.00
Teaching and non-teaching staff salary	350000000.00	319218997.00	250000000.00	248051193.00	200000000.00	212743279.00	200000000.00	190713681.00
Outreach Programs	2000000.00	1934294.00	1000000.00	1088711.00	1000000.00	132009.00	500000.00	292461.00
R&D	1000000.00	775000.00	2500000.00	2000323.00	2500000.00	987460.00	2500000.00	1944830.00
Training, Placement and Industry linkage	2050000.00	1638400.00	3000000.00	2903242.00	3000000.00	3208679.00	3000000.00	2252311.00
SDGs	1500000.00	1466062.00	2000000.00	1800000.00	2000000.00	1063247.00	1000000.00	865326.00
Entrepreneurship	30000000.00	21394870.00	30000000.00	28248128.00	20000000.00	10836153.00	10000000.00	5275634.00
Others, specify	146500000.00	135574971.00	146500000.00	156290079.00	136500000.00	140066823.00	132000000.00	116704265.00

Total	**632937500.00**	**560855609.00**	**490000000.00**	**493760946.00**	**375000000.00**	**372307923.00**	**367000000.00**	**332322076.00**

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 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**	**Budgeted in 2021-22**	**Actual Expenses in 2021-22 till**
Laboratory equipment	2455300.00	117632	210000.00	164633.00	634000.00	418664.00	180000.00	9322.00
Software	324500.00	59000.00	0	0	0	0	300000.00	324500.00
SDGs	0	0	0	0	0	0	0	0
Support for faculty development	0	0	200000.00	4500.00	200000.00	105195.00	100000.00	0
R & D	0	0	0	0	0	0	0	0
Industrial Training, Industry expert,	0	0	0	0	0	0	0	0
Extra	78000.00	53131.00	100000.00	65007.00	100000.00	96341.00	100000.00	81551.00
Total	**2857800.00**	**229763.00**	**510000.00**	**234140.00**	**934000.00**	**620200.00**	**680000.00**	**415373.00**