

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 : 2
Application No : 11966	Date of Submission : 24-06-2026

PART A- Profile of the Institute

A1.Name of the Institute : PES Institute of Technology and Management	
Year of Establishment : 2007	Location of the Institute: Shivamogga
A2. Institute Address :PES Campus, NH-206, Sagar Road, Guddada Arakere, Kotegangoor Post, Shivamogga-577204	
City:Shimoga	State:Karnataka
Pin Code:577204	Website:www.pestrust.edu.in
Email:principal_pesitm@pes.edu	Phone No(with STD Code):093-80741865
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: **8**
- 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	2022	--	Computer Application
2	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2021	--	Artificial Intelligence and Machine Learning
3	Engineering & Technology	UG	Civil Engineering	2013	--	Civil Engineering
4	Engineering & Technology	UG	Computer Science and Engineering	2007	--	Computer Science and Engineering
5	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2022	--	Computer Science and Engineering (Data Science)
6	Engineering & Technology	UG	Electrical & Electronics Engineering	2007	--	Electrical and Electronics Engineering
7	Engineering & Technology	UG	ELECTRONICS AND COMMUNICATION ENGINEERING	2007	--	Electronics and Communication Engineering
8	Engineering & Technology	UG	Information Science & Engineering	2007	--	Information Science and Engineering

9	Engineering & Technology	UG	Mechanical Engineering	2010	--	Mechanical Engineering
10	Management	PG	Master of Business Administration	2008	--	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
Electrical and Electronics Engineering	No	Electrical & Electronics 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 APPROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED
1	Electrical & Electronics Engineering	UG	2007 / --	60	No	NA	60	2007	1-37512081	Granted accreditation for 3 years for the period (specify period)	2023	2026	1

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. R Sekar
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	50	41	60	40	38	36	32
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	23	6	24	27	22	20
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	2	3	3
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	53	67	69	67	67	61	55

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	50	3	88.33
2024-25 (CAYm1)	60	41	3	73.33
2023-24 (CAYm2)	60	60	3	105.00

Average [(ER1 + ER2 + ER3) / 3] = 88.89≡ 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	(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).	67.00	66.00	66.00
B=No. of students who graduated from the program in the stipulated course duration	67.00	61.00	55.00
Success Rate (SR)= (B/A) * 100	100.00	92.42	83.33

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 91.92

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)
Mean of CGPA or mean percentage of all successful students(X)	6.06	6.20	6.48
Y=Total no. of successful students	40.00	60.00	36.00
Z=Total no. of students appeared in the examination	44.00	63.00	43.00
API [X*(Y/Z)]	5.51	5.90	5.43

Average API[(AP1+AP2+AP3)/3] : 5.61

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 2nd year/10)	6.59	6.49	6.15
Y=Total no. of successful students	66.00	58.00	61.00
Z=Total no. of students appeared in the examination	66.00	60.00	63.00
API [X * (Y/Z)]	6.59	6.27	5.95

Average API [(AP1 + AP2 + AP3)/3] : 6.27

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)	6.70	6.22	6.49
Y=Total no. of successful students	55.00	61.00	57.00
Z=Total no. of students appeared in the examination	58.00	61.00	57.00
API [X*(Y/Z)]:	6.35	6.22	6.49

Average API [(AP1 + AP2 + AP3)/3] : 6.35

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	67.00	66.00	66.00
X=No. of students placed	51.00	39.00	34.00
Y=No. of students admitted to higher studies	0.00	2.00	2.00
Z= No. of students taking up entrepreneurship	0.00	1.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	76.12	63.64	54.55

Average Placement Index = (P_1 + P_2 + P_3)/3: 64.77 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. R Sekar	XXXXXX84P	Ph.D	VTU	Power Electronics & Drives	07/08/2024	1.10	Professor	Professor	07/08/2024	Regular	Yes		Yes

2	Dr. Amit Kumar K	XXXXXXX55A	Ph.D	CMRU	Image Processing	28/07/2025	0.10	Associate Professor	Associate Professor	28/07/2025	Regular	Yes		No
3	Mrs. Neetha H M	XXXXXXX58L	M.Tech	VTU	Energy Systems	25/07/2012	13.10	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Mr. Kiran Kumar G R	XXXXXXX11E	M.Tech	VTU	Computer Applications In Industrial Drives	25/07/2012	13.10	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Mrs. Manasa B	XXXXXXX09R	M.Tech	VTU	Power Electronics	16/07/2015	10.11	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mr. Shanthveeresh N S	XXXXXXX26J	M.Tech	VTU	Computer Applications In Industrial Drives	23/07/2018	7.10	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mrs. Kalpana S	XXXXXXX48N	M.Tech	VTU	Electronics	30/09/2015	10.8	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr. Kiran M R	XXXXXXX84K	M.Tech	VTU	Power Systems	08/08/2018	7.10	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mrs. Shruthi S	XXXXXXX49H	M.Tech	VTU	Power Electronics	29/06/2019	6.11	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mr. Pawan P	XXXXXXX55K	M.Tech	VTU	Power Electronics	24/01/2024	1.8	Assistant Professor	Assistant Professor		Regular	No	14/10/2025	No
11	Mr. Sathish NP	XXXXXXX84P	M.Tech	VTU	Digital Electronics	24/01/2025	1.4	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mrs. Neetha P	XXXXXXX12E	MS	NITT	Control Systems	05/01/2026	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Dr. Om Prakash Yadav	XXXXXXX95H	Ph.D	CSVTVU	Signal Processing	02/11/2020	5.7	Associate Professor	Professor	01/10/2022	Regular	No	07/08/2024	No
14	Dr. Rudresh S J	XXXXXXX83E	Ph.D	VTU	Power Systems	03/08/2011	14.10	Assistant Professor	Associate Professor	01/06/2022	Regular	Yes		No
15	Mr. Manjunath Prabhu P	XXXXXXX56E	M.Tech	VTU	Industrial Automation & Robotics	29/06/2019	4.6	Assistant Professor	Assistant Professor		Regular	No	25/01/2024	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	64	66	64
UG1.C	66	64	65
UG1.D	64	65	60
UG1: Electrical & Electronics Engineering	194	195	189
DS=Total no. of students in all UG and PG programs in the Department	194	195	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= 194	S2= 195	S3= 189
DF=Total no. of faculty members in the Department	11	10	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= 11	F2= 10	F3= 9
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 19.40	SFR2= 21.67	SFR3= 23.63
Average SFR for 3 years	SFR= 21.57		

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)	3	8	9.00	17.22
2024-25(CAYm1)	2	8	9.00	14.44
2023-24(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
2025-26	1.00	1.00	2.00	2.00	6.00	8.00
2024-25	1.00	1.00	2.00	1.00	7.00	8.00
2023-24	1.00	1.00	2.00	1.00	6.00	7.00
Average	RF1=1.00	AF1=1.00	RF2=2.00	AF2=1.33	RF2=6.33	AF2=7.67

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)

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

(CAYm2)

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

(CAYm3)

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

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	19	9	9
2	No. of peer reviewed conference papers published	2	7	1
3	No. of books/book chapters published	0	1	1

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
Dr. RUDRESHAS J	Mr. CHANDAN KUMAR M S Mr. SHIVARAJ S HOSAMANI Mr. AKASH AMBARE S Mr. MURUGHARAJ U M	EEE	Train Collision Avoidance And Crack Detection Using Ultrasonic Sensor and IR Sensor	Karnataka State Council For Science And Technology(KSCST)	6 Months	0.05
Mrs. KALPANA S	Ms. SHANTHALA K S Ms. AISHWARYA P JAIN Ms. RADHIKA L	EEE	Power Generation From Speed Breaker And Wind Turbine	Karnataka State Council For Science And Technology(KSCST)	6 Months	0.05
Mr. KIRAN M R	Mr. KARTHIK V Ms. APOORVA P R Ms. POORNIMA S Mr. VEERESH P R	EEE	Smart Energy Meter For Daily Monitoring Of Electrical Power Consumption	Karnataka State Council For Science and Technology(KSCST)	6 Months	0.04
						Amount received (Rs.):0.14

(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
Mrs. KALPANA S	Mr. KEERTHI K Mr. GIREESH KUMAR G Mr. MANJUNATH RAMA GOUDA Mr. SAI KUMAR C	EEE	Self Excited Power Generation Using Magnetic Force	Karnataka State Council For Science And Technology(KSCST)	6 Months	0.06
Mr. KIRAN M R	Mr. OMPRAKASH S.M Mr. RAGHAVAN A Mr. SHOBHARAJ C Mr. VINAY KUMAR K.M.	EEE	Smart Atm Card For Multiple Bank Accounts	Karnataka State Council For Science And Technology(KSCST)	6 Months	0.04
Mr. KIRAN M R	Mr. NANDAN RAGHUPATHI HEGDE Mr. PRAVEENA K. S Mr. RAVEESH GANAPATI HEGDE	EEE	Waste Carbon Capture For Sustainable Product Development	Karnataka State Council For Science And Technology(KSCST)	6 Months	0.04
						Amount received (Rs.):0.14

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 0.28

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
						Amount received (Rs.):0

(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
						Amount received (Rs.):0

(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
						Amount received (Rs.):0

Total amount (Lacs) received for the past 3 years: 0

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
			Amount received (Rs.): 0		

(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
			Amount received (Rs.): 0		

(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
			Amount received (Rs.): 0		

Total amount (Lacs) received for the past 3 years : 0

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	Electric Circuit Analysis Laboratory	20	DRB, DIB, DCB, Signal Generator, CRO 1Ph & 3Ph Auto transformer Voltmeter, Multimeter, Ammeter, Wattmeter, RPS, Choke coil, RPS, Motor Load/3Ph Resistive Load	9 Hours	Mr. Sujith	Lab Instructor	Diploma in Electrical En
2	Electrical Hardware Laboratory & Basic Electrical Laboratory	20	1Ph & 3Ph Auto transformer Voltmeter, Multimeter, Ammeter, Watt meter RPS, Choke coil, RPS, Motor Load/3Ph Resistive Load	9 Hours	Mr. Sujith	Lab Instructor	Diploma in Electrical En
3	Electrical Machines Laboratory -1	20	2 kVA 440,240V/200V -Transformer, 3.5kVA, 750W,single phase Induction motor 2.2kW 440V 3 phase Induction motor	9 Hours	Mr. Lingaraja	Lab Instructor	Diploma in Electrical En
4	Analog Electronics / Digital Circuit Laboratory	20	Signal generator, Regulated power supply Digital IC Trainer Kit 30MHz Dual Trace CRO	9 Hours	Mr. Sujith	Lab Instructor	Diploma in Electrical En
5	Electrical Machines Laboratory -2	20	415 V, 1500rpm A.C generator 3.7kVA , D.C motor 4 point DC motor starter 2KW DC speed motor Controller	9 Hours	Mr. Lingaraja	Lab Instructor	Diploma in Electrical En
6	Microcontroller / Aurdino Laboratory	20	Aurdino Uno/ ESP32/ Bluetooth/ Dc Motor Computers Microcontroller Interfacing Boards Dual DC power supply CRO	9 Hours	Mrs. Deepa	Lab Instructor	B.E. in Electrical & Elec
7	Power Electronics Laboratory	20	IGBT study Module UJT firing circuit MOSFET study Module DC chopper unit UJT study Module CRO study Module TRIAC and DIAC	9 Hours	Mr. Sujith	Lab Instructor	Diploma in Electrical En
8	Control System Laboratory	20	DC Servo motor Study Unit 2 Phase AC Servomotor Study Unit Synchro transmitter and receiver Synchro Receiver and Motor Study Unit RPS	9 Hours	Mr. Sujith	Lab Instructor	Diploma in Electrical En
9	Digital Signal Processing Laboratory	20	Computers/DSP Kit	9 Hours	Mrs. Deepa	Lab Instructor	B.E. in Electrical & Elec
10	Power system Simulation Laboratory	20	Computers	9 Hours	Mrs. Deepa	Lab Instructor	B.E. in Electrical & Elec
11	Rely and High Voltage Laboratory	20	Over/Under voltage Relay Electromagnetic and Microprocessor based over current relay 50kV AC/70kV DC High voltage test circuit	9 Hours	Mr. Lingaraja	Lab Instructor	Diploma in Electrical En

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Computer simulation Labs	• Miniature Circuit Breaker • Dos and Don'ts board • First aid box • Fire Extinguisher
2	Analog Electronics lab	• Miniature Circuit Breaker • Miniature Circuit Breaker • Dos and Don'ts board • First aid box • Fire Extinguisher

3	Microcontrollers Lab	• Miniature Circuit Breaker • Miniature Circuit Breaker • Dos and Don'ts board • First aid box
4	Logic Design Lab	• Miniature Circuit Breaker • Miniature Circuit Breaker • Dos and Don'ts board • First aid box
5	Digital Signal Processing Lab	• Miniature Circuit Breaker • Miniature Circuit Breaker • Dos and Don'ts board • First aid box
6	Control Systems Lab	• Miniature Circuit Breaker • Miniature Circuit Breaker • Dos and Don'ts board • First aid box
7	Power Electronics Lab	• Miniature Circuit Breaker • Miniature Circuit Breaker • Dos and Don'ts board • First aid box
8	Electrical Machines Laboratory-1,2	• Miniature Circuit Breaker • Dos and Don'ts board • First aid box • Fire Extinguisher • Insulation Mat
9	Relay & High Voltage Lab	• Miniature Circuit Breaker • Dos and Don'ts board • First aid box • Fire Extinguisher
10	Basic Electrical Lab	• Miniature Circuit Breaker • Dos and Don'ts board • First aid box • Fire Extinguisher

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 $((NS1 \times 0.8) + (NS2 \times 0.2)) / (\text{No. of required faculty (RF4)})$; Percentage = $((NS1 \times 0.8) + (NS2 \times 0.2)) / RF$
2023-24(CAYm2)	720	36	14	27	46
2024-25(CAYm1)	780	39	19	28	53
2025-26(CAY)	900	45	18	33	47

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 	90000000	88070839	62000000	61785899	85000000	83336397	0	0
Library 	700000	663646	0	0	1100000	1052187	0	0
Laboratory equipment 	7600000	7516433	9000000	8854265	9200000	9132467	0	0
Teaching and non-teaching staff salary 	130000000	123404697	102500000	101510122	83000000	82803840	0	0
Outreach Programs 	0	0	0	0	0	0	0	0
R&D 	0	0	0	0	0	0	0	0
Training, Placement and Industry linkage 	2300000	2227891	4300000	4273968	3000000	2904913	0	0
SDGs 	0	0	0	0	0	0	0	0
Entrepreneurship 	600000	581048	170000	164088	500000	496490	0	0
Others, specify 	50000000	49740003	80000000	79765775	62000000	61883142	0	0
Total	281200000	272204557	257970000	256354117	243800000	241609436	0	0

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 	307500	257810	215750	193205	1400000	1095386	205000	109301

Software 	0	0	0	0	0	0	0	0
SDGs 	0	0	0	0	0	0	0	0
Support for faculty development 	10000	0	10000	5128	10000	10500	20000	9882
R & D 	0	0	0	0	0	0	0	0
Industrial Training, Industry expert, 	7500	1100	10000	0	10000	0	10000	0
Miscellaneous Expenses* 	25000	13808	40000	50525	30000	151663	30000	21858
Total	350000	272718	275750	248858	1450000	1257549	265000	141041