Program Name : Electrical Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 2
Application No: 11400	**Date of Submission**: 30-12-2025

PART A- Profile of the Institute

A1.Name of the Institute: Parala Maharaja Engineering College	
Year of Establishment : 2009	Location of the Institute: Berhampur
A2. Institute Address: Parala Maharaja Engineering College, Sitallapalli, Berhampur, Ganjam Odisha.	
City:Ganjam	State:Odisha
Pin Code:761003	Website:www.pmec.ac.in
Email:admin@pmec.ac.in	Phone No(with STD Code):-
A3. Name and Address of the Affiliating University (if any):	
Name of the University : BPUT	City: Sundergarh
State : Odisha	Pin Code: 769015
A4. Type of the Institution: Government Institute	
A5. Ownership Status: State Government	

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

- No. of UG programs: **8**
- No. of PG programs: **5**

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	Automobile Engineering	2014	--	Automobile Engineering
2	Engineering & Technology	UG	Chemical Engineering	2015	--	Chemical Engineering
3	Engineering & Technology	UG	Civil Engineering	2009	--	Civil Engineering
4	Engineering & Technology	UG	Computer Science and Engineering	2009	--	Computer Science and Engineering
5	Engineering & Technology	UG	Electrical Engineering	2009	--	Electrical Engineering
6	Engineering & Technology	UG	Electronics and Telecommunication Engineering	2014	--	Electronics and Telecommunication Engineering
7	Engineering & Technology	UG	Mechanical Engineering	2009	--	Mechanical Engineering
8	Engineering & Technology	PG	Mechanical System Design	2014	--	Mechanical Engineering
9	Engineering & Technology	UG	Metallurgical & Materials Engineering	2015	--	Metallurgical and Materials Engineering
10	Engineering & Technology	PG	Power Systems Engineering	2015	--	Electrical Engineering
11	Engineering & Technology	PG	Production Engineering	2015	--	Mechanical Engineering
12	Engineering & Technology	PG	Structural Engineering	2015	--	Civil Engineering

13	Engineering & Technology	PG	Thermal Engineering	2015	--	Mechanical Engineering

A7. Programs to be considered for Accreditation vide this Application:

Table No. A7.1: List of programs to be considered for accreditation.

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Mechanical Engineering	Yes	Mechanical Engineering	UG
Electrical Engineering	No	Electrical 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	PROGRA DURAT:
1	Electrical Engineering	UG	2009 / --	60	Yes	2014	120	2014	Eastern/1-43662115732/2024/	Not accredited (specify visit dates, year)	15/11/2019	17/11/2019	0	4

List of the Allied Departments/Cluster and Programs:

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

A. Name of the HoD :	Bhagabat Panda
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)	120	120	120	120	120	120	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	154	144	150	113	125	117	95

N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	19	17	21	13	18	45
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	0	1	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	154	164	167	134	138	135	140

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)	120	154	0	128.33
2024-25 (CAYm1)	120	144	1	120.83
2023-24 (CAYm2)	120	150	0	125.00

Average [(ER1 + ER2 + ER3) / 3] = 124.72 ≡ 100

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).	138.00	135.00	140.00
B=No. of students who graduated from the program in the stipulated course duration	137.00	133.00	132.00
Success Rate (SR)= (B/A) * 100	99.28	98.52	94.29

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 97.36

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)	6.46	6.83	6.68
Y=Total no. of successful students	150.00	148.00	134.00
Z=Total no. of students appeared in the examination	144.00	150.00	113.00
API [X*(Y/Z)]	6.73	6.74	7.92

Average API[(AP1+AP2+AP3)/3] : 7.13

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)	6.94	7.34	7.07
Y=Total no. of successful students	165.00	134.00	137.00

Z=Total no. of students appeared in the examination	165.00	155.00	150.00
API [X * (Y/Z)]	6.94	6.35	6.46

Average API [(AP1 + AP2 + AP3)/3] : 6.58

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)	7.25	7.24	7.39
Y=Total no. of successful students	134.00	137.00	133.00
Z=Total no. of students appeared in the examination	134.00	137.00	134.00
API [X*(Y/Z)]:	7.25	7.24	7.33

Average API [(AP1 + AP2 + AP3)/3] : 7.27

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	137.00	138.00	165.00
X=No. of students placed	43.00	55.00	55.00
Y=No. of students admitted to higher studies	4.00	7.00	4.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	34.31	44.93	35.76

Average Placement Index = (P_1 + P_2 + P_3)/3: 38.33 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	Sarat Kumar Sahoo	XXXXXXX04B	Ph.D	JNTU	Power Electronics & Drives	29/05/2018	7.6	Professor	Professor		Regular	Yes		No
2	Debasish Rath	XXXXXXX04N	M.Tech	IIT Kharagpur	Power System Engineering	06/10/2010	15.2	Assistant Professor	Assistant Professor		Regular	Yes		No
3	Satya Prakash	XXXXXXX33J	M.Tech	Aligarh Muslim University	Power System & Drives	08/10/2010	15.2	Assistant Professor	Assistant Professor		Regular	Yes		No

4	Bhagabat Panda	XXXXXXX61B	Ph.D	Utkal University	Power System	29/05/2018	7.6	Associate Professor	Professor	29/05/2021	Regular	Yes		Yes
5	Ritanjali Behera	XXXXXXX13M	Ph.D	Pondicherry University	Power Electronics & Drives	09/10/2014	11.2	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Saroj Padhan	XXXXXXX31E	Ph.D	VSSUT, Burla	Power System Engineering	22/10/2014	11.1	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Suryalok Dash	XXXXXXX83E	Ph.D	IIT Bhubaneswar	Deep Learning Applications in Modern Power System	24/10/2014	11.1	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Bibhuti Bhusan Behera	XXXXXXX79B	M.Tech	VSSUT, Burla	Power Electronics Control & Drives	02/08/2016	9.4	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Sushree Sangita Patnaik	XXXXXXX38J	Ph.D	NIT Rourkela	Power Quality	05/08/2016	9.4	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Rakhee Panigrahi	XXXXXXX22F	Ph.D	NIT, Rourkela	Control & Power Syetem	28/09/2016	9.2	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Bibhu Prasad Nanda	XXXXXXX85P	M.Tech	KIIT University,Odisha	Power Electronics and Drives	21/07/2025	0.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
12	Sasmita Lenka	XXXXXXX50A	Ph.D	KIIT University, Bhubaneswar	Power quality	21/07/2025	0.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
13	Nrusingha Prasad Tripathy	XXXXXXX36M	M.Tech	NITTTR,RGPV,Bhopal	Power System	24/07/2025	0.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
14	Devi Prasad Acharya	XXXXXXX92F	Ph.D	SOA University, Odisha	Power Quality	02/09/2024	1.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
15	Subhranshu Sekhar Pati	XXXXXXX34C	M.Tech	IIIT Bhubaneswar	Power System Estimation and Control	02/09/2024	1.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
16	Pragyanshree Parida	XXXXXXX61H	M.Tech	NIT Rourkela	Power Control & Drives	11/10/2010	15.2	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Sarat Kumar Mishra	XXXXXXX72N	Ph.D	B I T Mesra	Power System	11/07/2022	2.10	Assistant Professor	Assistant Professor		Contractual Fulltime	No	31/05/2025	No
18	Soumya Ranjan Das	XXXXXXX46H	Ph.D	IIIT Bhubaneswar	Power Quality	06/12/2021	3.5	Assistant Professor	Assistant Professor		Contractual Fulltime	No	31/05/2025	No
19	Sweta Panda	XXXXXXX37M	M.Tech	VSSUT, Burla	Control & instrumentation	18/07/2018	6.5	Assistant Professor	Assistant Professor		Contractual Fulltime	No	31/12/2024	No
20	G Viswateja	XXXXXXX54Q	M.Tech	IIT,BHU	Control systems	25/07/2022	1.11	Assistant Professor	Assistant Professor		Contractual Fulltime	No	13/07/2024	No
21	P. Swati Patro	XXXXXXX60J	M.Tech	VSSUT, Burla	Power Electronics	01/07/2017	6.6	Assistant Professor	Assistant Professor		Contractual Fulltime	No	13/01/2024	No

22	Tapas Kumar Panigrahi	XXXXXXX77N	Ph.D	Sambalpur University	Electrical Machines, AGC, Distributed generation	23/05/2018	7.7	Associate Professor	Professor	10/06/2021	Regular	Yes		No
23	Jagannath Paramguru	XXXXXXX38B	Ph.D	KIIT University	Power System	25/07/2022	2.10	Assistant Professor	Assistant Professor		Contractual Fulltime	No	31/05/2025	No
24	Pravat Mohanty	XXXXXXX87A	M.Tech	Sambalpur University	Power System Engineering	26/03/2012	13.9	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Rashmi Ranjan Maharana	XXXXXXX48D	M.E.	DAVV,INDORE	Digital Instrumentation	12/06/2024	0.11	Assistant Professor	Assistant Professor		Contractual Fulltime	No	31/05/2025	No
26	Ashish Kumar Sarangi	XXXXXXX56L	M.Tech	KIIT University, Odisha	Communication System Engineering	12/06/2024	0.11	Assistant Professor	Assistant Professor		Contractual Fulltime	No	31/05/2025	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 Department1

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	132	132	132
UG1.C	132	132	132
UG1.D	132	132	132
UG1: Electrical Engineering	**396**	**396**	**396**
PG1.A	18	18	18
PG1.B	18	18	18
PG1: Power Systems Engineering	**36**	**36**	**36**
DS=Total no. of students in all UG and PG programs in the Department	432	432	432

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
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= 432	S2= 432	S3= 432
DF=Total no. of faculty members in the Department	18	18	18
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= 18	F2= 18	F3= 18
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= 24.00	SFR2= 24.00	SFR3= 24.00
Average SFR for 3 years	SFR= 24.00		

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)	10	8	21.00	15.71
2024-25(CAYm1)	11	7	21.00	16.43
2023-24(CAYm2)	9	9	21.00	15.00

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	2.00	3.00	4.00	0.00	14.00	10.00
2024-25	2.00	3.00	4.00	0.00	14.00	10.00
2023-24	2.00	3.00	4.00	0.00	14.00	10.00
Average	RF1=2.00	AF1=3.00	RF2=4.00	AF2=0.00	RF2=14.00	AF2=10.00

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	26	11	18
2	No. of peer reviewed conference papers published	10	6	12
3	No. of books/book chapters published	0	14	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
Dr. RitanjaliBehera	Dr. Bhagabat Panda	TIH, IIT Guwahati	AI-Driven Underwater Object Detection Systems	TIH, IIT Guwahati	2 years	10.00
						Amount received (Rs.):10.00

(CAYm2)

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 10.00
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	Basic Electrical EnggineeringLab	7	Thevenin's,Norton's kit, Energy meter, RLC series,OCC,Armature& Field resistance, BH Curve	30	Mr. Amit Kumar Dash	Technical Assistant	B. Tech.
2	Electrical Circuit Analysis lab	7	Norton, Thevenin, Superposition Theorem kit, Function Generator, Two port network kit, Filter Panel, RESONANT	18	Mr. GangadharSatapathy	Technical Assistant	Diploma
3	Power electronics lab	7	Latch current & holding current SCR, Diac, MOSFET & IGBT Characteristic, Study Unit (CSU), Power Electronics	12	Mr. SibaramSethy	Technical Assistant	B.Tech
4	Electrical Machines Lab	7	Rectifier Unit,DC generator, DC motor, Three phase Synchronous Motor, three phase alternator, squirrel cage	12	Mr. Prasanta Kumar Behe	Technical Assistant	Diploma
5	Control System Lab	7	Training Kit of Strain gauge, LVDT, Thermocouple, thermistor, Lead- lag compensator, AC and DC	15	Mr. SibaramSethy	Technical Assistant	B.Tech
6	Electrical Measurement &InstrumentionLab	7	Kelvin's Double Bridge, LCR- Q Meter, CT, PT, Hysteresis Measurement Module, Anderson Bridge, Schering Bridge	12	Mr. GangadharSatapathy	Technical Assistant	Diploma
7	Power System Lab(simulation) MATLAB	7	Earth Tester, Transformer Oil testing kit, Transmission line Kit, IDMT overcurrent relay kit, Biased differential	12	Mr. Prasanta Kumar Behe	Technical Assistant	Diploma
8	Advanced Computing Lab	7	Forty (40) number of networked PC, MATLAB software, 20 UPS	12	Mr. SibaramSethy	Technical Assistant	B .Tech

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures

#	Lab Name	Safety Precautions
1	Basic Electrical Engineering lab	Proper Grounding, proper training Ensure power supply is OFF before making connections Use properly insulated wires and tools Do not touch live terminals with bare hands Verify voltage and current ratings of instruments Stand on insulated rubber mats while operating circuits
2	Electrical Circuit Analysis lab	Check circuit connections using circuit diagram before switching ON • Avoid loose connections to prevent short circuits • Use correct range of ammeters and voltmeters • Switch OFF supply immediately if overheating or smoke is observed • Handle resistors and components carefully to avoid burns
3	Power Electronics lab	• Ensure proper heat sinks and cooling for power devices • Never touch SCRs, MOSFETs, IGBTs during operation • Use isolated triggering circuits where required • Discharge capacitors before handling circuits • Wear safety gloves and goggles during high-power experiments
4	Electrical Machine lab	Ensure machines are properly earthed before operation • Do not wear loose clothing near rotating parts • Apply load gradually and avoid sudden changes • Keep hands away from rotating shafts and couplings • Switch OFF immediately during abnormal noise or vibration
5	Control System Lab	Verify control circuit connections before powering the system • Avoid sudden change of gain or feedback parameters • Keep wiring neat to prevent accidental short circuits • Use proper grounding to avoid signal noise and shocks • Follow instructor's guidance during tuning operations
6	EMI Lab	Use measuring instruments within their rated limits • Never connect ammeter in parallel or voltmeter in series • Handle sensitive instruments carefully to avoid damage • Calibrate instruments before experiments if required • Avoid mechanical shocks to meters and sensors
7	Power System Lab	correct software usage, avoiding incorrect parameters, proper data saving, and safe handling of computer systems.Ensure MATLAB is properly installed and working • Verify system parameters before running simulation • Avoid incorrect or extreme values in models • Save programs and results frequently • Shut down MATLAB and system properly after use
8	Advanced Computing Lab	• Ensure proper grounding of systems • Avoid liquid spills near computers • Do not overload power sockets • Follow anti-static precautions • Shut down systems properly

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)	420	21	15	6	63
2024-25(CAYm1)	630	32	18	6	49
2025-26(CAY)	630	32	19	6	51

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	65800000	80860000	18029000	52530000	0	65400000	95760000	78000000
Library	0	232000	0	592000	0	283000	0	231000
Laboratory equipment	0	3345000	0	5314000	0	31137000	0	10331000
Teaching and non-teaching staff salary	0	18925000	0	21453000	0	20350000	0	16973000
Outreach Programs	0	0	0	0	0	0	0	0
R&D	0	2782000	0	412000	0	223000	0	391000
Training, Placement and Industry linkage	0	2932000	0	3493000	0	4962000	0	4469000
SDGs	0	0	0	0	0	0	0	0
Entrepre-neurship	0	0	0	0	0	0	0	0
Others, specify	0	0	0	0	0	0	0	0
Total	65800000	109076000	18029000	83794000	0	122355000	95760000	110395000

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	0	3343000	0	5313000	0	31137000	0	10331000
Software	0	0	0	0	0	0	0	0

SDGs	0	0	0	0	0	0	0	0
Support for faculty development	0	0	0	0	0	0	0	0
R & D	0	2780000	0	410000	0	224000	0	392000
Industrial Training, Industry expert, Internship	0	500000	0	1010000	0	512000	0	782000
NA	0	0	0	0	0	0	0	0
Total	0	6623000	0	6733000	0	31873000	0	11505000