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: 11410	**Date of Submission**: 31-12-2025

PART A- Profile of the Institute

A1.Name of the Institute: Chalapathi Institute of Engineering and Technology	
Year of Establishment : 2007	Location of the Institute: Lam
A2. Institute Address:Chalapathi Nagar, Lam, Guntur	
City:Guntur	State:Andhra Pradesh
Pin Code:522034	Website:www.chalapathiengg.ac.in
Email:ciet07@rediffmail.com	Phone No(with STD Code):0863-2524117
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Acharya Nagarjuna University	City: Guntur
State : Andhra Pradesh	Pin Code: 522034
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: **9**
- 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	Engineering & Technology	UG	Civil Engineering	2009	--	Civil Engineering
2	Engineering & Technology	UG	Computer Science & Information Technology	2019	--	Computer Science and Information Technology
3	Engineering & Technology	UG	Computer Science and Engineering	2007	--	Computer Science and Engineering
4	Engineering & Technology	PG	Computer Science and Engineering	2012	--	Computer Science and Engineering
5	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2021	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
6	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence)	2020	--	Computer Science and Engineering (Artificial Intelligence)
7	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2021	--	Computer Science and Engineering (Cyber Security)
8	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2020	--	Computer Science and Engineering (Data Science)
9	Engineering & Technology	UG	Electrical & Electronics Engineering	2007	--	Electrical and Electronics Engineering
10	Engineering & Technology	UG	Electronics & Communication Engineering	2007	--	Electronics and Communication Engineering
11	Engineering & Technology	PG	VLSI & Embedded Systems Design	2012	--	Electronics and Communication 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
Electrical and Electronics Engineering	No	Electrical & Electronics Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.
Cluster ID. Name of the Department (in table no. A7.1) Name of allied Departments/Cluster (for table no. A7.1)

No Record

PART-B: Program information

B1. Provide the Required Information for the Program Applied For:

Table No. B1: Program details.
A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS
1	Electrical & Electronics Engineering	UG	2007 / --	60	No	NA	60	2007	Approved by AICTE

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 PADAVALA VENKATA NARENDRA KUMAR
B. Nature of appointment:	Regular
C. Qualification:	M.Tech and 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	4	29	17	21	25	51	30
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	19	18	33	30	10	25
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	0	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.	4	48	35	54	55	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	4	0	6.67
2024-25 (CAYm1)	60	29	0	48.33
2023-24 (CAYm2)	60	17	0	28.33

Average [(ER1 + ER2 + ER3) / 3] = 27.78≡ 0.00

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).	90.00	70.00	85.00
B=No. of students who graduated from the program in the stipulated course duration	35.00	37.00	44.00
Success Rate (SR)= (B/A) * 100	38.89	52.86	51.76

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 47.84

B6. Academic Performance of the First-Year Students of the Program

Table No.B6.1: Academic Performance of the First-Year Students of the Program.

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
X=(Mean of 1st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10)	4.66	4.25	5.82
Y=Total no. of successful students	28.00	9.00	18.00
Z=Total no. of students appeared in the examination	29.00	17.00	21.00
API [X*(Y/Z)]	4.50	2.25	4.99

Average API[(AP1+AP2+AP3)/3] : 3.91

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)	6.46	6.69	5.64
Y=Total no. of successful students	27.00	49.00	51.00
Z=Total no. of students appeared in the examination	27.00	51.00	53.00
API [X * (Y/Z)]	6.46	6.43	5.43

Average API [(AP1 + AP2 + AP3)/3] : 6.11

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)	6.86	6.37	5.84
Y=Total no. of successful students	48.00	51.00	55.00
Z=Total no. of students appeared in the examination	49.00	51.00	56.00
API [X*(Y/Z)]:	6.72	6.37	5.74

Average API [(AP1 + AP2 + AP3)/3] : 6.28

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	90.00	70.00	85.00
X=No. of students placed	27.00	28.00	35.00
Y=No. of students admitted to higher studies	2.00	4.00	3.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	32.22	45.71	44.71

Average Placement Index = (P_1 + P_2 + P_3)/3: 40.88 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	Natur Assoc (Regu Contr Ad hc
1	Dr V. ANWESHA KUMAR	XXXXXXX64F	M.Tech and Ph.D.	JNTUH	POWER SYSTEMS & CONTROL SYSTEMS	28/06/2021	4.5	Associate Professor	Professor	01/07/2023	Regul
2	Dr PADAVALA VENKATA NARENDRA KUMAR	XXXXXXX02L	M.Tech and Ph.D.	SRI VENKATESWARA UNIVERSITY	POWER SYSTEMS	01/07/2021	4.5	Assistant Professor	Associate Professor	04/10/2023	Regul
3	K. MURALI KRISHNA	XXXXXXX12J	M.Tech	JNTUA	POWER INDUSTRIAL DRIVES	02/06/2010	15.6	Assistant Professor	Assistant Professor		Regul
4	TALASILA VENKATESH	XXXXXXX00F	M.Tech	ANU	POWER SYSTEM ENGINEERING	03/07/2017	8.5	Assistant Professor	Assistant Professor		Regul
5	N. VANAJAKSHI	XXXXXXX94N	M.Tech	ANU	POWER SYSTEMS	05/05/2014	11.7	Assistant Professor	Assistant Professor		Regul
6	K. SURESH	XXXXXXX31P	M.Tech	JNTUK	POWER SYSTEMS-HIGH VOLTAGE	01/07/2022	3.5	Assistant Professor	Assistant Professor		Regul
7	MYLA SUSMITHA	XXXXXXX47L	M.Tech	JNTUK	POWER ELECTRONICS & ELECTRICAL DRIVES	01/07/2021	4.5	Assistant Professor	Assistant Professor		Regul
8	B. BALA KRISHNA	XXXXXXX57E	M.Tech	JNTUH	POWER ELECTRONICS	01/07/2021	4.5	Assistant Professor	Assistant Professor		Regul
9	CH. RAVINDRA	XXXXXXX77L	M.Tech	JNTUK	POWER SYSTEMS CONTROL & OPERATION	01/07/2024	1.5	Assistant Professor	Assistant Professor		Regul
10	MD. ILIYAS	XXXXXXX84D	M.Tech	ANU	POWER SYSTEMS	01/07/2022	3.5	Assistant Professor	Assistant Professor		Regul
11	V. SRAVANTHI	XXXXXXX09K	M.Tech	ANU	POWER & INDUSTRIAL DRIVES	08/01/2024	1.11	Assistant Professor	Assistant Professor		Regul
12	B. PARVATHI DEVI	XXXXXXX25L	M.Tech	JNTUA	POWER & INDUSTRIAL DRIVES	22/07/2024	1.4	Assistant Professor	Assistant Professor		Regul
13	K. RAJU	XXXXXXX22H	M.Tech	ANU	POWER SYSTEMS	01/07/2022	3.5	Assistant Professor	Assistant Professor		Regul

14	M. MALLESWRARAO	XXXXXXX29F	M.Tech	JNTUK	POWER SYSTEMS-HIGH VOLTAGE	01/07/2021	2	Assistant Professor	Assistant Professor		Regul
15	Dr MANNE BHARATHI	XXXXXXX02H	M.Tech and Ph.D.	K L UNIVERSITY	POWER SYSTEMS	07/07/2022	2	Assistant Professor	Associate Professor	01/11/2022	Regul
16	Dr P. SANGAMESWARA RAJU	XXXXXXX68F	M.Tech and Ph.D.	SRI VENKATESWARA UNIVERSITY	POWER SYSTEMS	07/06/2021	1.6	Professor	Professor	07/06/2021	Regul
17	K. SREE HARSHA	XXXXXXX75C	M.Tech	JNTUK	INSTRUMENTATION & CONTROL ENGINEERING	01/07/2022	2	Assistant Professor	Assistant Professor		Regul
18	RATHLA SURYA NAIK	XXXXXXX38A	M.Tech	IIT KHARGPUR	MACHINE DRIVES & POWER ELECTRONICS	01/07/2021	2.11	Assistant Professor	Assistant Professor		Regul
19	G. KIRAN KUMAR	XXXXXXX34B	M.Tech	JNTUA	POWER SYSTEMS	01/06/2023	1	Assistant Professor	Assistant Professor		Regul
20	N.V.SIVA RAMA KRISHNA	XXXXXXX53G	M.Tech	JNTUK	POWER SYSTEMS CONTROL & AUTOMATION	01/07/2023	1	Assistant Professor	Assistant Professor		Regul

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

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):
UG1=1st UG program
UGn=nth UG program
B= No. of Students in UG 2nd year (ST)
C= No. of Students in UG 3rd year (ST)
D= No. of Students in UG 4th year (ST)
No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):
PG1=1st PG program.
PGm=mth PG program
A= No. of Students in PG 1st year
B= No. of Students in PG 2nd year
Student Faculty Ratio **(SFR)** = S/F
S= No. of students of all programs in the Department including all students of allied departments/clusters.
No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)
Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.
F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

No. of UG Programs in the Department1 No. of PG Programs in the Department0
Table No.C2.1: Student-faculty ratio.

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B	66	66	66
UG1.C	66	66	66
UG1.D	66	66	66
UG1: Electrical & Electronics Engineering	**198**	**198**	**198**
DS=Total no. of students in all UG and PG programs in the Department	198	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=** 198	**S2=** 198	**S3=** 198
DF=Total no. of faculty members in the Department	13	13	15
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 13	**F2=** 13	**F3=** 15
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= 16.50**	**SFR2= 16.50**	**SFR3= 14.14**
Average SFR for 3 years	**SFR= 15.71**		

C3. Faculty Qualification

- Faculty qualification index (FQI) = 2.5 * [(10X +4Y)/RF] where

- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = 2.5 x [(10X + 4Y) / RF)]
2025-26(CAY)	2	11	9.00	17.78
2024-25(CAYm1)	2	11	9.00	17.78
2023-24(CAYm2)	2	13	9.00	20.00

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	1.00	1.00	2.00	1.00	6.00	11.00
2024-25	1.00	1.00	2.00	1.00	6.00	11.00
2023-24	1.00	1.00	2.00	1.00	6.00	13.00
Average	RF1=1.00	AF1=1.00	RF2=2.00	AF2=1.00	RF2=6.00	AF2=11.67

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	Dr. K Dhananjay Rao	Research Advisor	Mytegen Educational Services, Hyderabad	Electric Vehicles	54.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. B Purushotham Reddy	Manager	Greenvion Energy Technologies, Hyderabad	Recent Research Advances on Solar Energy	54.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. K Girish	Senior Engineer	Institute Of Research & Skill Development Lab, IRSDL, Hyderabad	Applications of MATLAB in Electrical Engineering	54.00

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	7	5	6
2	No. of peer reviewed conference papers published	5	2	2
3	No. of books/book chapters published	2	0	0

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
K.Suresh		CES	Electric Vehicles(2&3)	CES	1 Year	1.30
						Amount received (Rs.):1.30

(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
Mr K. Raju		CES	Electric Car	CES	1 Year	2.10
						Amount received (Rs.):2.10

(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
Mrs N. Vanajakshi		CES	Electric Scooter	CES	1 Year	1.05
						Amount received (Rs.):1.05

Total Amount (Lacs) Received for the Past 3 Years: 4.45

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
K. Suresh		APCPDCL	Erection of Potential Transformer and Current Transformer in a Substation	APCPDCL	1 Year	15.00
K. Suresh		APTRANSCO	Electrical Poles Painting Works	APTRANSCO	3 Months	0.95
K. Suresh		APTRANSCO	Electrical Poles Painting Works	APTRANSCO	1 Month	0.02
						Amount received (Rs.):15.97

(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
K. Suresh		APCPDCL	Substation	APCPDCL	1 Year	1.80
						Amount received (Rs.):1.80

(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
K. Suresh		APCPDCL	Erection of a Transformer		1 Year	2.50
						Amount received (Rs.):2.50

Total amount (Lacs) received for the past 3 years: 20.27

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
Mr K. Suresh	Electric Vehicles(3)	12 Months	1.30	1.30	Electric Tricycle
Mr T. Venkatesh	Patent	6 Months	0.01	0.01	Patent Published
Mr T. Venkatesh	Patent	9 Months	0.01	0.01	Patent Published
Ms M. Susmitha	Patent	12 Months	0.01	0.01	Patent Published
Dr P. V. Narendra Kumar	Patent	12 Months	0.01	0.01	Patent Published
Mr T. Venkatesh	Patent	12 Months	0.01	0.01	Patent Published
Mr. N Vanajajshi	paper	10 months	0.10	0.10	paper published
			Amount received (Rs.): 1.45		

(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
Mr K. Raju	Electric Car	12 Months	2.10	2.10	Electric Car
Dr P.V. Narendra Kumar	Patent	9 Months	0.01	0.01	Patent Published
Mr. N Vanajajshi	paper	10 Months	0.10	0.10	paper published
Dr P.V. Narendra Kumar	Patent	9 Months	0.01	0.01	Patent Published
Dr P.V. Narendra Kumar	Patent	6 Months	0.01	0.01	Patent Published
Mr T. Venkatesh	Patent	9 Months	0.02	0.02	Patent Grant
Mr T. Venkatesh	Patent	12 Months	0.02	0.02	Patent Grant
Mr B. Bala Krishna	Patent	6 Months	0.01	0.01	Patent Published
Ms.M Susmitha	Patent	9 Months	0.01	0.01	Patent Published
Ms.M Susmitha	Patent	6 Months	0.01	0.01	Patent Published
			Amount received (Rs.): 2.30		

(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
Mrs N. Vanajakshi	Electric Scooter	12 Months	1.05	1.05	Electric Scooter
Ms M. Susmitha	Patent	12 Months	0.01	0.01	Patent Published
Sri P. V. Narendra Kumar	Patent	9 Months	0.01	0.01	Patent Published
Mr K.Murali Krishna Raju	Patent	9 Months	0.01	0.01	Patent Published
Mr T. Venkatesh	Patent	9 Months	0.01	0.01	Patent Published
Mr T. Venkatesh	Patent	9 Months	0.01	0.01	Patent Published
			Amount received (Rs.): 1.10		

Total amount (Lacs) received for the past 3 years : 4.85

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. Rectifierpanel, 2. DCShuntmotor, 3. DCSeriesmotor,	6 hour /week	B.Siresha	Lab Technician	B.Tech
2	Networks Lab	4	1. Kirchoff's Laws kit 2. Thevenin's Theorem kit 3.	6 hour /week	K.Sai krishna	Lab Technician	B.Tech
3	Control Systems Lab	4	1. Linear System Simulator Kit 2. Synchro's Transmitter & Receiver	6 hour /week	B.Durga Prasa	Lab Technician	Diploma
4	Power Electronics Lab	4	1. SCR, TRIAC, DIAC, MOSFET & IGBT Unit 2. Gate Firing Circuit (R	6 hour /week	B.Durga Prasa	Lab Technician	Diploma
5	Electrical Measurements Lab	4	1. Kelvins Double Bridge. 2. Schering Bridge 3. Anderson Bridge	6 hour /week	K.Sai krishna	Lab Technician	B.Tech
6	Power Systems Lab	4	1. Over Current Relay & Earth Fault Relay Panel Boards 2. Over	6 hour /week	B.Siresha	Lab Technician	B.Tech
7	Simulation Lab	4	1. 35 computers 2. GNU Octavesoftware 3. Pispice software	6 hour /week	Y.Harsha vard	Lab Technician	Diploma

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 Lab	General Rules of Conduct in Laboratories Are Displayed. Specific Safety Rules for Students Displayed Well Trained Technical Supporting Staff. Avoiding The Use of Damaged Equipment's. Fire Extinguisher, First Aid Kit, Electric Shock Treatment Charts, Rubber Mats at Work Bench, Periodical Servicing of The Lab Equipment's. Maintain A Clean and Organized Laboratory, Avoiding The Use of Cell Phones. Appropriate Storage Areas.
2	Control Systems Lab	General Rules of Conduct in Laboratories Are Displayed. Specific Safety Rules for Students Displayed Well Trained Technical Supporting Staff. Avoiding The Use of Damaged Equipment's. Fire Extinguisher, First Aid Kit, Periodical Servicing of The Lab Equipment's. Maintain A Clean and Organized Laboratory, Avoiding The Use of Cell Phones. Appropriate Storage Areas
3	Power Electronics Lab	General Rules of Conduct in Laboratories Are Displayed. Specific Safety Rules for Students Displayed Well Trained Technical Supporting Staff. Avoiding The Use of Damaged Equipment's. Fire Extinguisher, First Aid Kit, Periodical Servicing of The Lab Equipment's. Maintain A Clean and Organized Laboratory, Avoiding The Use of Cell Phones. Appropriate Storage Areas
4	Power Systems Lab	General Rules of Conduct in Laboratories Are Displayed. Specific Safety Rules for Students Displayed Well Trained Technical Supporting Staff. Avoiding The Use of Damaged Equipment's. Fire Extinguisher, First Aid Kit, Periodical Servicing of The Lab Equipment's. Maintain A Clean and Organized Laboratory, Avoiding The Use of Cell Phones. Appropriate Storage Areas
5	Electrical Measurements Lab	General Rules of Conduct in Laboratories Are Displayed. Specific Safety Rules for Students Displayed Well Trained Technical Supporting Staff. Avoiding The Use of Damaged Equipment's. Fire Extinguisher, First Aid Kit, Periodical Servicing of The Lab Equipment's. Maintain A Clean and Organized Laboratory, Avoiding The Use of Cell Phones. Appropriate Storage Areas

6	Networks Lab	General Rules of Conduct in Laboratories Are Displayed. Specific Safety Rules for Students Displayed Well Trained Technical Supporting Staff. Avoiding The Use of Damaged Equipment's. Fire Extinguisher, First Aid Kit, Periodical Servicing of The Lab Equipment's. Maintain A Clean and Organized Laboratory, Avoiding The Use of Cell Phones. Appropriate Storage Areas
7	Simulation Lab	General Rules of Conduct in Laboratories Are Displayed. Specific Safety Rules for Students Displayed Well Trained Technical Supporting Staff. Fire Extinguisher, First Aid Kit, Periodical Servicing of The Lab Equipment's. Maintain A Clean and Organized Laboratory, Avoiding The Use of Cell Phones.

D3. Project Laboratory/Research Laboratory

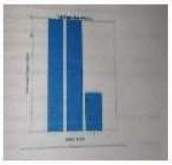
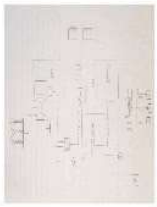
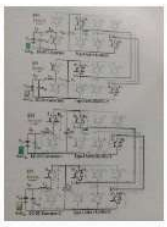
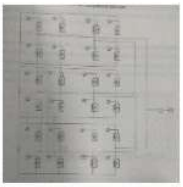
Electrical systems are generally very complex in nature and large in size and hence physical models are difficult to realize in laboratory. The aim of this laboratory is to provide required simulation facilities to the students in order to do the necessary analyses of the concepts learnt in their respective courses. This lab facility is being used by B.Tech students of the department for carrying out major project work.

A project laboratory consisting of 30 computers with latest software packages installed are provided. In addition to that, for developing practical/ physical working models a separate project lab area is provided with essential working tools and materials.

TableNo.7.5.1: List of project laboratory /research laboratory /Centre of Excellence.

S.N.	Name of the Laboratory
1.	Project Lab
2	SAP University Alliances offers Global Certification Training in SAP Advanced Business Application Programming (ABAP).
3	Altium PCB Design Lab

TableNo.7.5.2: List of projects in the Academic year 2024-25 (Best Five Projects)

Sl.No.	Regd.No.	Name of the Student	TITLE OF THE PROJECT	Attainment of PO's & PSO's	Out come Journal Publication link	Result
1	L22EEE045	NOWPADA TARUN	Fuzzy Dynamic Programming approach Based Economic Load Dispatch of a Thermal Power Generating stations	PO1 PO2 PO3 PO4 PO5 PO6 PO8 PO10 PO11	https://www.ijcnwc.com/admin/uploads/Fuzzy%20Dynamic%20Programming%20Approach%20Based%20Economic%20Load%20Dispatch%20of%20Thermal%20Power%20Generating%20Stations.pdf	
	L22EEE043	NANDIPATI PRAKASH RAJU				
	L22EEE048	PONNADA VINAY				
	Y21EEE018	PARANKUSAM SYAMVENKAT				
2	Y21EEE004	CHILLAMCHERLA SHANMUKHA SRIMY	Dynamic performance evaluation of a dual control MPPT-based DC-DC converter for photovoltaic power system	PO1 PO2 PO3 PO4 PO5 PO6 PO8 PO10 PO11	https://ijasem.org/ijasemadmin/upload/ijlbps_67fa84c336542.pdf	
	L22EEE051	SHAIK LALBHASHA				
	L22EEE042	MOYILA VASU				
	Y21EEE012	KATA HARSHINI				
3	L22EEE044	NARNE LEELA SOWMYA	Performance Analysis of a High Gain Bidirectional DC- DC Converter Fed Drive for an Electric Vehicle with Battery charging Capability during Braking	PO1 PO2 PO3 PO4 PO5 PO6 PO8 PO10 PO11	https://ijmece.com/ijmeceadmin/upload/ijlbps_67fa7e70d6975.pdf	
	L22EEE041	MERUGU YESU				
	L22EEE052	SINGANA MANINDRA				
	Y21EEE016	KUMBHA VENKATESH				
	Y21EEE015	KOPPARAJU AKHIL KRISHNA				
	L22EEE029	BANDLAMUDI SIDDHARDHA				
	Y21EEE006	DEVARAKONDA HARISH				
	L22EEE031	BONTHU CHITTESH				
	L22EEE055	VASIMALLA BHANU PRAKASH				
4	L22EEE056	YELLAPU DEEPAK	Electric Vehicle-to-Vehicle Energy Transfer using on-Board Converters	PO1 PO2 PO3 PO4 PO5 PO6 PO8 PO10 PO11	https://ijasem.org/ijasemadmin/upload/ijlbps_67fa85495b7d1.pdf	
	L22EEE053	SHAIK RAGHAVENDRA VALI				
	L22EEE057	YELUGOTI HARSHAVARDHAN				
	Y21EEE003	CHAVA KALYAN RAM				
	L22EEE050	RONGALI BHEEMESH				
	Y21EEE023	TIRUMALA SETTI HIMA BINDU				
	L22EEE034	JETTI PRADEEP				
	Y21EEE019	PARASA SRINIVAS				
5	L22EEE039	KORLAKOTA UDAY KIRAN	Smart Grids and Railway Networks Enhancing Efficiency through microgrid Integration	PO1 PO2 PO3 PO4 PO5 PO6 PO8 PO10 PO11	https://ijbar.org/admin/uploads/SMART%20GRIDS%20AND%20RAILWAY%20NETWORKS%20ENHANCING%20EFFICIENCY%20THROUGH%20MICROGRID%20INTEGRATION.pdf	
	Y21EEE017	PARA VENKATA SWATHI				
	Y21EEE024	TUMATI SAI TEJA				
	Y21EEE021	SHAIK ANEESH AHAMMAD				

TableNo.7.5.3: List of projects in the Academic year 2023-24 (Best Five Projects)

Sl.No.	Regd.No.	Name of the Student	TITLE OF THE PROJECT	Attainment of PO's & PSO's	Out come Journal Publication link	Result
1	L21EEE057	P.GNANENDRA SAI	IOT BASED MILITARY SURVEILLANCE ROBOT	PO1 PO2 PO3 PO4 PO5 PO6 PO8 PO10 PO11	https://www.ijasem.org/ijasemadminupload/ijlbps_661560544d92f.pdf	
	L21EEE061	P.SRI RAM				
	Y20EEE022	K.HARSHINI				
	Y20EEE028	M.HARSHITHA				
	Y20EEE025	M.HARSHA VARDAN				
2	Y20EEE015	G.BHAVANA	DESIGN OF SOLAR TRICYCLE FOR PHYSICALLY CHALLENGED PEOPLE	PO1 PO2 PO3 PO4 PO5 PO6 PO8 PO10 PO11	https://ijitce.com/ijitceadmin/upload/ijlbps_6615694dae6b1.pdf	
	Y20EEE018	K.V.V.PAVAN KUMAR				
	Y20EEE029	M.DEEPIKA				
	Y20EEE038	R.HEMANTH				
	Y20EEE049	V.ACHYUTH KUMAR				
3	Y20EEE043	T.SIVARAM	Solar Powered Plug-in Electric car	PO1 PO2 PO3 PO4 PO5 PO6 PO8 PO10 PO11	https://ijmert.net/ijmertadmin/upload/ijlbps_6615795362665.pdf	
	Y20EEE001	A.GOUTHAM				
	Y20EEE030	N.SURESH REDDY				
	Y20EEE009	CH.RAMANA REDDY				
	Y20EEE002	A.SWARUPA RANI				
4	Y20EEE016	G.SAI PRATHIBHA	SOLAR RECHARGEABLE ELECTRIC SCOOTER	PO1 PO2 PO3 PO4 PO5 PO6 PO8 PO10 PO11	https://ijmmsa.com/ijmmsaadmin/upload/ijlbps_661574b22a449.pdf	
	Y20EEE023	K.VIDYA VIHARIKA				
	L21EEE056	N.VENKATA DURGA NAIK				
	L21EEE060	T.GOPI CHAND				
	L21EEE059	SK.RASOOL				
5	Y20EEE032	N.SINDHU PRIYA	GSM VOICE BASED POWER THEFT DETECTION	PO1 PO2 PO3 PO4 PO5 PO6 PO8 PO10 PO11	https://ijcnwc.com/admin/uploads/Batch%205.pdf	
	Y20EEE003	B.HEMANTH				
	Y20EEE040	SK.AADIL				
	Y20EEE048	V.BALA BRAHMAM				
	Y20EEE004	B.SATISH				

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)	780	39	26	4	55
2024-25(CAYm1)	780	39	42	5	89
2025-26(CAY)	1170	58	50	6	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 2025-2026	Actual Expenses in 2025-2026 till	Budgeted in 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till
Infrastructure Built-Up	165000000	108006525	140000000	130917000	67000000	66500273	41200000	41024966
Library	850000	371250	500000	450000	15000	13002	10000	0
Laboratory equipment	4500000	6270688	7650000	7600834	3600000	3529027	6300000	6286913
Teaching and non-teaching staff salary	85000000	54380940	70000000	65916292	55000000	54609351	53600000	53509725
Outreach Programs	500000	391050	500000	474000	250000	244000	330000	315000
R&D	380000	179025	250000	217000	135000	129000	160000	150000
Training, Placement and Industry linkage	16000000	7670975	10000000	9298152	4500000	4470088	3000000	2880577
SDGs	2000000	1588587	2000000	1925561	1400000	1385923	1900000	1852556
Entrepreneurship	150000	90750	150000	110000	120000	100000	100000	98000
Others, specify	94000000	73460630	94000000	89043187.96	82500000	82036253.62	69500000	67404706.27
Total	**368380000**	**252410420**	**325050000**	**305952026.96**	**214520000**	**213016917.62**	**176100000**	**173522443.27**

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 2025-2026	Actual Expenses in 2025-2026 till	Budgeted in 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till
Laboratory equipment	190000	170000	275000	250000	154000	140000	121000	110000
Software	0	0	0	0	0	0	0	0
SDGs	135000	0	132382	120347	95282	86620	127362.4	115784
Support for faculty development	95000	86000	94600	86000	83600	76000	88000	80000
R & D	61000	55000	60500	55000	66000	60000	52800	48000
Industrial Training, Industry expert,	70000	66000	646810	588009	314193	285630	204777.1	186161
Miscellaneous Expenses*	50000	50000	55000	50000	60500	55000	50600	46000
Total	**601000**	**427000**	**1264292**	**1149356**	**773575**	**703250**	**644539.5**	**585945**