

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electrical and Electronics Engineering	Discipline: Engineering & Technology
Level : Under Graduate	Tier: 2
Application No: 12109	Date of Submission: 07-09-2026

PART A- Profile of the Institute

A1.Name of the Institute: SRI CHAITANYA TECHNICAL CAMPUS	
Year of Establishment : 2009	Location of the Institute: 17210268 78608508 Sheriguda Village
A2. Institute Address: Sheriguda Village, Ibrahimpatnam Mandal, Ranga Reddy Dist. 501510	
City:Ranga Reddy	State:Telangana
Pin Code:501510	Website:www.srichaitanya.ac.in
Email:director&a.sctc@gmail.com	Phone No(with STD Code):-
A3. Name and Address of the Affiliating University (if any):	
Name of the University : JNTU HYDERABAD	City: Hyderabad
State : Telangana	Pin Code: 500085
A4. Type of the Institution: Non-Autonomous (Affiliated)	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **8**
- No. of PG programs: **0**

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 and Engineering	2010	--	Computer Science and Engineering
3	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2023	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
4	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2023	--	Computer Science and Engineering (Data Science)
5	Engineering & Technology	UG	Electrical and Electronics Engineering	2009	--	Electrical and Electronics Engineering
6	Engineering & Technology	UG	ELECTRONICS AND COMMUNICATION ENGINEERING	2009	--	Electronics and Communication Engineering
7	Engineering & Technology	UG	Mechanical Engineering	2009	--	Mechanical Engineering

8	Engineering & Technology	UG	Software Engineering	2020	--	Computer Science and Engineering
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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 and 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 and Electronics Engineering	UG	2009 / --	60	Yes	2023	30	2023	AICTE	Applying first time	--	--	0

Sanctioned Intake for Last Five Years for the Electrical and Electronics Engineering

Academic Year	Sanctioned Intake
2025-26	30
2024-25	30
2023-24	30
2022-23	60
2021-22	60
2020-21	60

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. M.SRIKANTH
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)	30	30	30	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	28	30	27	22	17	41	60
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	3	3	6	6	6	6
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.	28	33	30	28	23	47	66

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)	30	28	0	93.33
2024-25 (CAYm1)	30	30	0	100.00
2023-24 (CAYm2)	30	27	0	90.00

Average [(ER1 + ER2 + ER3) / 3] = 94.44≡ 20.00

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).	66.00	66.00	66.00
B=No. of students who graduated from the program in the stipulated course duration	12.00	34.00	56.00
Success Rate (SR)= (B/A) * 100	18.18	51.52	84.85

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 51.52

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)	7.13	6.45	7.10
Y=Total no. of successful students	30.00	27.00	22.00
Z=Total no. of students appeared in the examination	30.00	27.00	22.00

API [X*(Y/Z)]	7.13	6.45	7.10
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Average API[(AP1+AP2+AP3)/3] : 6.89

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)	7.26	7.82	7.51
Y=Total no. of successful students	28.00	22.00	23.00
Z=Total no. of students appeared in the examination	30.00	28.00	23.00
API [X * (Y/Z)]	6.78	6.14	7.51

Average API [(AP1 + AP2 + AP3)/3] : 6.81

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)	9.28	9.27	9.39
Y=Total no. of successful students	19.00	12.00	34.00
Z=Total no. of students appeared in the examination	22.00	23.00	47.00
API [X*(Y/Z)]:	8.01	4.84	6.79

Average API [(AP1 + AP2 + AP3)/3] : 6.55

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	66.00	66.00	66.00
X=No. of students placed	10.00	30.00	40.00
Y=No. of students admitted to higher studies	0.00	0.00	0.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = ((X + Y + Z)/FS) * 100):	15.15	45.45	60.61

Average Placement Index = (P_1 + P_2 + P_3)/3: 40.40 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.Y PRAKASH	XXXXXXX84L	M.Tech and Ph.D.	ANNAMALAI UNIVERSITY	EEE	07/08/2023	3.1	Professor	Professor	07-08-2023	Regular	Yes		No
2	Mrs. SONIKA MADUGANI	XXXXXXX80P	M.Tech	JNTUH	POWER ELECTRONICS	07/07/2022	4.1	Associate Professor	Associate Professor	07/07/2022	Regular	Yes		No
3	Mr. SHANKAR BHUKYA	XXXXXXX86J	M.Tech	JNTUH	POWER ELECTRONICS	21/11/2018	6.7	Assistant Professor	Assistant Professor		Regular	No	15/07/2025	No
4	Mr. MOHAMMED AKHEEL PASHA	XXXXXXX93F	M.Tech	OU	POWER ELECTRONICS SYSTEMS	20/07/2021	3.11	Assistant Professor	Assistant Professor		Regular	No	08/07/2025	No
5	Ms. MURAHARI RANI	XXXXXXX90R	M.Tech	JNTUA	ELECTRICAL POWER SYSTEMS	12/12/2022	2.6	Assistant Professor	Assistant Professor		Regular	No	08/07/2025	No
6	Dr. ASHOK PAGOLU	XXXXXXX88P	Ph.D	SRI SATHYA SAI UNIVERSITY	ELECTRICAL AND ELECTRONICS ENGINEERING	07/07/2022	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mr. KETHAVATH VIKRAM	XXXXXXX36H	M.Tech	JNTUH	ELECTRICAL POWER SYSTEMS	07/07/2022	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mrs. ASHA RAMAVATH	XXXXXXX46B	M.Tech	JNTUK	POWER SYSTEMS	07/07/2022	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Ms KALYANI KOMPELLI	XXXXXXX71D	M.Tech	JNTUH	POWER ELECTRONICS	07/07/2022	2.10	Assistant Professor	Assistant Professor		Regular	No	20/05/2025	No
10	Mr. LOKESH TALARI	XXXXXXX02M	M.Tech	JNTUA	ENERGY SYSTEMS	03/07/2017	6.10	Assistant Professor	Assistant Professor		Regular	No	10/05/2024	No
11	Mrs. SUJATHA BURAGALA	XXXXXXX08A	M.Tech	JNTUH	POWER ELETRONICS ELECTRICAL DRIVES	20/12/2021	2.5	Assistant Professor	Assistant Professor		Regular	No	21/05/2024	No
12	Mr. BALA CHANDRA ADRA	XXXXXXX30N	M.Tech	JNTUA	ELECTRICAL POWER ENGINEERING	09/10/2023	0.8	Assistant Professor	Assistant Professor		Regular	No	13/06/2024	No
13	Mr. M KRISHNA MURTHY NALAM	XXXXXXX01A	M.Tech	JNTUH	ELECTRICAL POWER SYSTEMS	12/02/2024	2.6	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mrs. JAYASREE KATTA	XXXXXXX57R	M.Tech	JNTUH	ELECTRICAL POWER SYSTEMS	08/01/2024	0.6	Assistant Professor	Assistant Professor		Regular	No	06/08/2024	No

15	Mr. GUNTIMOKKALA PRAVEEN	XXXXXXXX34B	M.Tech	JNTUH	ELECTRICAL POWER SYSTEMS	15/03/2023	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Mr. GUGULOTH RAMESH	XXXXXXXX15H	M.Tech	JNTUH	EMBEDDED SYSTEMS	07/08/2024	2	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Mrs. Pasunoori Pravallika	XXXXXXXX36P	M.Tech	JNTUH	POWER ELECTRONICS AND ELECTRIC DRIVES	07/08/2024	2	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mr. THAMBADI NAVEEN KUMAR	XXXXXXXX73L	M.Tech	JNTUH	POWER SYSTEMS	17/07/2025	1.1	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Mahankali Kiran Kumar	XXXXXXXX61N	M.Tech	JNTUH	POWER ELECTRONICS	05/08/2024	2.1	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Dr. M.SRIKANTH	XXXXXXXX39E	Ph.D	ANNAMALAI UNIVERSITY	EEE	17/07/2025	1.1	Associate Professor	Associate Professor		Regular	Yes		Yes

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	33	33	66
UG1.C	33	66	66
UG1.D	66	66	66
UG1: Electrical and Electronics Engineering	132	165	198
DS=Total no. of students in all UG and PG programs in the Department	132	165	198
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
S=Total no. of students in the Department (DS) and allied departments (AS)	S1= 132	S2= 165	S3= 198
DF=Total no. of faculty members in the Department	12	14	12
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= 12	F2= 14	F3= 12
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= 11.00	SFR2= 11.79	SFR3= 16.50
Average SFR for 3 years	SFR= 13.10		

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 = $2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	3	9	6.00	27.50
2024-25(CAYm1)	2	12	8.00	21.25
2023-24(CAYm2)	2	10	9.00	16.67

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = $1/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents.}$
- RF2= No. of Associate Professors required = $2/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- RF3= No. of Assistant Professors required = $6/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- 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	1.00	1.00	4.00	10.00
2024-25	1.00	1.00	2.00	0.00	6.00	13.00
2023-24	1.00	1.00	2.00	0.00	7.00	11.00
Average	RF1=1.00	AF1=1.00	RF2=1.67	AF2=0.33	RF2=5.67	AF2=11.33

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	Mr. M Hareesh	Assistant manager	Gloster cables limited	Transmission Lines	25.00
2	Mr. Krishna Veera Phanindra	Founder and Director	MaXPARK Pvt. Ltd.	Embedded Design	30.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Venkey Naidu Balineni	Founder and CEO	Venky's Vision IT solutions	IoT	28.00
2	Mr. M Hareesh	Assistant manager	Gloster cables limited	Power Systems	25.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Krishna Veera Phanindra	Founder and Director	MaXPARK Pvt. Ltd.	Emerging Technologies in Electrical Engineering	30.00
2	Mr. Venkey Naidu Balineni	Founder and CEO	Venky's Vision IT solutions	IoT	26.00

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	3	2
2	No. of peer reviewed conference papers published	5	3	2
3	No. of books/book chapters published	2	2	1

C7. Sponsored Research Project

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

(CAYm1)**(CAYm2)****(CAYm3)****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
Dr.Y PRAKASH	Dr. M.SRIKANTH	EEE	Design and Development of a Smart Microgrid Monitoring and Energy Management Platform Integrating Solar Power, Battery Storage and Grid Supply with Intelligent Load Management, Power Quality Assessment and Energy Analytics	Maramanishi innovations Pvt Ltd	2 years	5.00
						Amount received (Rs.):5.00

(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
Dr.Y PRAKASH	Ms. MURAHARI RANI	EEE	Design and Implementation of an Intelligent Electrical Panel and Transformer Condition Monitoring System Using Real-Time Temperature, Current, Voltage, Harmonics and Power Factor Analysis with Automated Fault Detection and Remote Alert Mechanism	Maramanishi innovations Pvt Ltd	2 years	5.00
						Amount received (Rs.):5.00

(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
Mr. SRIKANTH MADGULA	Mr. LOKESH TALARI	EEE	Development of an Intelligent AI-Enabled Condition Monitoring and Predictive Maintenance System for Industrial Motors Using Vibration, Temperature, Current and Acoustic Signal Analysis with Real-Time Fault Prediction and Maintenance Dashboard	Maramanishi innovations Pvt Ltd	2 years	5.00
						Amount received (Rs.):5.00

Total amount (Lacs) received for the past 3 years: 15.00

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
Mrs. ASHA RAMAVATH	Power Quality Assessment in an Educational Campus – Performance Evaluation	6 Months	22000.00	22000.00	Measured selected power-quality parameters and prepared recommendations for improving electrical performance.
Mrs. KALYANI KOMPELLI	Smart Street Lighting Control Prototype – Performance Evaluation	6 Months	23500.00	23000.00	Developed and tested an automated street-light control prototype using sensing and control logic.
Mr. M KRISHNA MURTHY NALAM	Electrical Safety Audit and Energy Conservation Study – Performance Evaluation	1 Year	22000.00	22000.00	Completed an electrical safety and energy-use assessment and identified practical conservation measures.
			Amount received (Rs.): 67500.00		

(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.Y PRAKASH	Smart Street Lighting Control Prototype – Extended Field Validation	1 Year	16000.00	16000.00	Developed and tested an automated street-light control prototype using sensing and control logic.
Mr. Lokesh Talari	Electrical Safety Audit and Energy Conservation Study – Extended Field Validation	6 Months	18500.00	18000.00	Completed an electrical safety and energy-use assessment and identified practical conservation measures.
Mrs. SONIKA MADUGANI	Solar PV System Performance Monitoring and Analysis – Extended Field Validation	6 Months	17500.00	17500.00	Installed/analysed a solar PV monitoring setup and documented generation and performance indicators.
Mr. ASHOK PAGOLU	IoT-Based Energy Monitoring and Load Management System – Extended Field Validation	6 Months	17000.00	17000.00	Developed a prototype for real-time electrical load monitoring and basic load-management functions.
			Amount received (Rs.): 69000.00		

(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
SHANKAR BHUKYA	Solar PV System Performance Monitoring and Analysis	1 Year	16500.00	16500.00	Installed/analysed a solar PV monitoring setup and documented generation and performance indicators.
SRIKANTH MADGULA	IoT-Based Energy Monitoring and Load Management System	1 Year	18000.00	18000.00	Developed a prototype for real-time electrical load monitoring and basic load-management functions.
NARSAIAH CHALAKANI	Power Quality Assessment in an Educational Campus	1 Year	22000.00	20500.00	Measured selected power-quality parameters and prepared recommendations for improving electrical performance.
			Amount received (Rs.): 56500.00		

Total amount (Lacs) received for the past 3 years : 193000.00

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 Circuits Lab	3	Series and Parallel Resonance kit	4	L SHARADA	lab Assistant	B.TECH
2	Electrical Circuits Lab	3	Verification of compensation kit	4	L SHARADA	lab Assistant	B.TECH
3	Electrical Machines - I Lab	3	DC SHUNT MOTOR COUPLED WITH DC SHUNT GENERATOR (MG) SET ACCESSORIES:Meters: Δ ∇	4	J BUSHYA NAIK	lab Assistant	B.TECH
4	Electrical Machines - I Lab	3	DC SERIES IDENTICAL MACHINES COUPLED WITH BASE PLATE & COUPLING ACCESSORIES:Meters: Δ ∇	4	J BUSHYA NAIK	lab Assistant	B.TECH
5	Electrical Measurements and Sensors Lab	3	Dielectric oil testing using HT testing kit	4	B MADHU	lab Assistant	B.TECH
6	Electrical Measurements and Sensors Lab	3	Schering Bridge: Instruments required: Resistance(10 Ω /100 Ω /1000 Ω)-Each 3 Decade Δ ∇	4	B MADHU	lab Assistant	B.TECH
7	Electronic Devices and Circuits Lab	3	Components- Resistors, Capacitors, BJTS,FETs, Diodes,Patdecards,CRO cables	4	BUSSU ARAVIND RED	lab Assistant	B.TECH
8	Electronic Devices and Circuits Lab	3	Computers with LT Spice/ multisim/proteus or equivalent software installed	4	BUSSU ARAVIND RED	lab Assistant	B.TECH
9	CONTROL SYSTEMS LAB	3	Design of Lead-Lag compensator for the given system and with specification using suitable software Δ ∇	4	N PRIYANKA	lab Assistant	B.TECH
10	CONTROL SYSTEMS LAB	3	Effect of P, PD, PI, PID Controller on a second order system kit	4	N PRIYANKA	lab Assistant	B.TECH
11	Digital Electronics Lab	3	Design and realization logic gates using universal gates kit	4	SHAIK SHAHID	lab Assistant	B.TECH
12	Digital Electronics Lab	3	Design and realization a Synchronous and Asynchronous counters using flip-flops kit	4	SHAIK SHAHID	lab Assistant	B.TECH
13	Electrical Machines - II Lab	3	3-PHASE INDUCTIVE LOAD AS PER RATINGS OF MOTORS	4	J BUSHYA NAIK	lab Assistant	B.TECH

14	Electrical Machines - II Lab	3	Singe phase induction Motor with necessary arrangement ACCESSORIES: Ammeter(MI)	4	J BUSHYA NAIK	lab Assistant	B.TECH
15	MICROPROCESSORS AND MICROCONTROLLERS LAB	3	8031/8051 TRAINERS KIT	4	SHAIK SHAHID	lab Assistant	B.TECH
16	MICROPROCESSORS AND MICROCONTROLLERS LAB	3	ADC /DAC Interfacing	4	SHAIK SHAHID	lab Assistant	B.TECH
17	Power Electronics Lab	3	Gate firing circuits for SCR (R,RC,UJT Firing Circuit)	2	R AADHINARAYANA	lab Assistant	DIPLOMA
18	Power Electronics Lab	3	Single Phase Bridge inverter along with gate firing circuits, R and RL loads & CRO, Multimeter	2	R AADHINARAYANA	lab Assistant	DIPLOMA
19	DIGITAL SIGNAL PROCESSING LAB	3	COMPUTERS (MIN 8GB RAM)&MATLAB with SIMULINK software	4	S KOMARELLI	lab Assistant	DIPLOMA
20	DIGITAL SIGNAL PROCESSING LAB	3	TMS 320C50DSP Processors(Kit &Add-on cards)	4	S KOMARELLI	lab Assistant	DIPLOMA
21	Power System Lab	3	Test setup of Micro Processor Based IDMT Under/Over Voltage Relay	4	R AADHINARAYANA	lab Assistant	DIPLOMA
22	Power System Lab	3	Test setup of differential Relay for transformer	2	R AADHINARAYANA	lab Assistant	DIPLOMA
23	Simulation of Renewable Energy Systems Laboratory	3	MATLAB/any Simulation software	1	V BHARGAVI	lab 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
1	Electrical Machines Laboratory – I	CCTV Cameras, Proper earthing, rubber safety mats, MCB/fuse protection, fire extinguisher and first-aid box, safe handling of rotating machines, emergency power isolation, insulated wires and terminals, safety instructions displayed, and faculty supervision during experiments.
2	Analog Electronic Circuits Laboratory	CCTV Cameras, Proper earthing, rubber safety mats, low-voltage DC supplies, current-limiting and short-circuit protection, insulated connecting wires, fire extinguisher and first-aid box, ESD precautions, checking circuit connections before power ON, and faculty supervision.
3	Electrical Simulation Tools Laboratory	CCTV Cameras, Proper earthing, rubber safety mats, surge/overload protection, safe operation of computers, proper cable management, adequate ventilation, fire extinguisher and first-aid box, and safe handling of electrical equipment under supervision.

4	Digital Electronics Laboratory	CCTV Cameras, Proper earthing, rubber safety mats, low- voltage trainer kits, regulated power supplies, short-circuit protection, fire extinguisher and first-aid box, checking connections before switching ON, and safe handling of ICs and electronic components.
5	Measurements & Instrumentation Laboratory	CCTV Cameras, Proper earthing, rubber safety mats, MCB/fuse protection, insulated test leads, safe handling of measuring instruments, supply isolation before modifying circuits, fire extinguisher and first-aid box, calibration/equipment inspection, and safety instructions displayed.
6	Electrical Machines Laboratory – II	CCTV Cameras, Proper earthing, rubber safety mats, overload/short-circuit protection, emergency power isolation, safe operation of rotating machines, proper guarding, insulated terminals, fire extinguisher and first-aid box, and faculty supervision.
7	Microprocessors & Microcontrollers Laboratory	CCTV Cameras, Proper earthing, rubber safety mats, low-voltage regulated supplies, short-circuit protection, ESD precautions, safe handling of development boards and interfacing modules, fire extinguisher and first-aid box, and inspection of connections before power ON.
8	Power Electronics Laboratory	CCTV Cameras, Proper earthing, rubber safety mats, isolation and protection circuits, MCB/fuse protection, insulated terminals, capacitor discharge precautions, fire extinguisher and first-aid box, protective equipment where required, and experiments conducted under supervision.
9	Power System Laboratory	CCTV Cameras, Proper earthing, rubber safety mats, MCB/fuse protection, isolation of supply before circuit modification, insulated cables and terminals, warning/safety signage, fire extinguisher and first-aid box, and safe handling of high-voltage equipment under supervision.
10	Control Systems Laboratory	CCTV Cameras, Proper earthing, rubber safety mats, low-voltage supplies, overload/short-circuit protection, safe wiring practices, checking connections before energizing equipment, fire extinguisher and first-aid box, proper equipment handling, and faculty supervision.

D3. Project Laboratory/Research Laboratory

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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)	360	18	28	12	138

2024-25(CAYm1)	360	18	30	12	147
2025-26(CAY)	360	18	25	12	124

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	5000000.00	3573893.00	750000.00	671500.00	500000.00	231300.00	500000.00	229000.00
Library	300000.00	136658.00	300000.00	100000.00	500000.00	206983.00	200000.00	90500.00
Laboratory equipment	500000.00	204183.00	500000.00	325000.00	1000000.00	949769.00	100000.00	48840.00
Teaching and non-teaching staff salary	70000000.00	67513831.00	82500000.00	78712729.00	90000000.00	84853278.00	58500000.00	55612648.00
Outreach Programs	300000.00	251465.00	250000.00	225650.00	250000.00	218850.00	250000.00	201550.00
R&D	500000.00	406615.00	400000.00	389520.00	400000.00	380350.00	450000.00	391200.00
Training, Placement and Industry linkage	550000.00	501560.00	550000.00	500580.00	500000.00	489520.00	500000.00	455680.00
SDGs	350000.00	276785.00	300000.00	265890.00	300000.00	250115.00	300000.00	231520.00
Entrepreneurship	500000.00	401585.00	450000.00	400550.00	450000.00	395200.00	400000.00	366975.00
Others, specify	25600000.00	24896822.00	23550000.00	20755080	30500000.00	26720393.00	25400000.00	21748587
Total	103600000.00	98163397.00	109550000.00	102346499.00	124400000.00	114695758.00	86600000.00	79376500.00

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 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	38000.00	17000.00	39000.00	28000.00	80000.00	72000.00	15000.00	8500.00
Software	36000.00	25000.00	36000.00	26000.00	29000.00	24000.00	39000.00	34000.00
SDGs	27000.00	20000.00	23000.00	21000.00	24000.00	19000.00	40000.00	36000.00
Support for faculty development	27000.00	22000.00	24000.00	22000.00	24000.00	21000.00	35000.00	27000.00

R & D	38000.00	30000.00	33000.00	31000.00	29000.00	28000.00	65000.00	60000.00
Industrial Training, Industry expert, Internship	41000.00	37500.00	41000.00	37000.00	45000.00	36000.00	75000.00	65000.00
Miscellaneous Expenses*	7200000.00	6958721.85	7980000.00	7478059.57	9055000.00	8392935.94	12685000.00	11684302.38
Total	7407000.00	7110221.85	8176000.00	7643059.57	9286000.00	8592935.94	12954000.00	11914802.38