NATIONAL BOARD OF ACCREDITATION

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

PART-A: Profile of the Institute

Name of the Program Applied for: B.Tech – Electrical and Electronics Engineering

A1: Name of the Institute : SR University

Year of Establishment : 2002 **Location of the Institute:** Warangal

A2: Institute Address: -

City	: Warangal	**State :**	Telangana
Pin Code	: 506371	**Website:**	www.sru.edu.in
E-mail	: registrar@sru.edu.in	**Phone No (with STD Code):**	0870-281833

A3: Name and Address of the Affiliating University (If any): NA

A4: Type of the Institution: - (Tick the applicable choice)

Institute of National Importance	Deemed University
University ✓	Autonomous
Non-Autonomous (Affiliated)	Any other (Please specify) *

***Provide Details:**_____

A5: Ownership Status: - (Tick the applicable choice)

Central Government	State Government
Government Aided	**Self-financing** ✓
Any Other (Please specify) *	*Provide Details:

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

- No. of UG programs: **11**
- No. of PG programs : **08**

Table No. A6.1: List of all programs offered by the Institute.

S. No.	Level of program (UG/PG)	Name of the program	Year of Start	Name of the Department
1	UG	B.Tech. - Civil Engineering	2009	Civil Engineering
2	UG	B.Tech. - Electrical & Electronics Engineering	2002	Electrical and Electronics Engineering
3	UG	B.Tech. - Mechanical Engineering	2004	Mechanical Engineering
4	UG	B.Tech. - Electronics & Communication Engineering	2002	Electronics and Communication Engineering
5	UG	B.Tech. – Electronics & Communication Engineering (Artificial Intelligence and Machine Learning)	2023	Electronics and Communication Engineering
6	UG	B.Tech. - Computer Science and Engineering	2002	Computer Science and Engineering
7	UG	B.Tech. - Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2020	Computer Science and Engineering
8	UG	B.Tech. - Computer Science and Engineering (Cyber Security)	2023	Computer Science and Engineering
9	UG	B.Tech. - Computer Science and Engineering (Data Science)	2020	Computer Science and Engineering
10	UG	BBA - Bachelor of Business Administration	2020	Management
11	UG	B.Sc. (Hons) Agriculture	2020	Agriculture
12	PG	M.Tech. - Construction Technology and Management	2020	Civil Engineering
13	PG	M.Tech. - Power Electronics	2008	Electrical and Electronics Engineering
14	PG	M.Tech. - Advanced Manufacturing Systems	2012	Mechanical Engineering
15	PG	M.Tech. - Electronics Design & Technology	2013	Electronics and Communication Engineering
16	PG	M.Tech. - Embedded Systems	2008	Electronics and Communication Engineering
17	PG	M.Tech. - Computer Science and Engineering	2009	Computer Science and Engineering
18	PG	MCA - Master of Computer Applications	2023	Computer Science and Engineering
19	PG	MBA - Masters in Business Administration	2006	Management

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

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

S.No.	Name of the Department	Name of the Program
1	Civil Engineering	B.Tech. - Civil Engineering
2	Computer Science and Engineering	B.Tech. - Computer Science and Engineering
3	Electrical & Electronics Engineering	B.Tech. - Electrical & Electronics Engineering
4	Electronics & Communication Engineering	B.Tech. - Electronics & Communication Engineering
5	Mechanical Engineering	B.Tech. - Mechanical Engineering

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.

S. No.	Name of the Department (in table no. A7.1)	Name of allied Departments/Cluster (for table no. A7.1)
	NA	**NA**

PART-B: Program information

(Data to be filled in for the program applied for Accreditation)

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

Table No. B1: Program details.

Name of Program	Program Applied level	Year of Start	Year of AICTE/ Competent Authority approval	Initial Intake	Intake Increase	Current Intake	AICTE/ Competent Authority Approval Details	Accreditation Status	No. of Times Program Accredited	Program for Duration
Electrical & Electronics Engineering	UG	2002	2015	60	Yes	120	F.No. South-Central/1-2460846215/2015/EOA/Corrigendum-1, Dated: 31-12-2015	Granted accreditation for 3 years (2019-2022) and for 3 years (2022-2025) upon submission of compliance report	3	4

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

Academic Year	Sanctioned Intake
2024-25	120
2023-24	120
2022-23	120
2021-22	120
2020-21	120
2019-20	120

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

A. Name of the HoD : Dr. Buddhadeva Sahoo

B. Nature of appointment: (Tick the applicable choice)

- **Regular** ✓
- Contract
- Ad hoc

C. Qualification: (Tick the applicable choice)

- **Ph.D.** ✓
- ME/M.Tech
- Any other*

***Please provide details:**_____

B3: Program Details

Table No.B3.1: Admission details for the program excluding those admitted through multiple entry and exit points.

Item (Information is 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	120	92	106	90	67	72	75
N2= Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	37	15	33	52	47	54
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	6	3	2	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.	126	132	123	123	119	119	129

B4: Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

Item (Students enrolled in the First Year on average over 3 academic years (CAY, CAYm1, and CAYm2))	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)
N= Sanctioned intake of the program in the 1st year (as per AICTE / Competent authority)	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	120	92	106
N4= Total no. of students admitted in the 1st year via all supernumerary quotas	6	3	2
Enrolment Ratio (ER)= (N1+N4)/N	105.00	79.17	90.00
Average ER= (ER_1+ ER_2+ ER_3)/3	91.39		

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).	119	119	129
B=No. of students who graduated from the program in the stipulated course duration	112	111	90
Success Rate (SR)= (B/A)*100	94.12	93.28	69.77
Average SR of three batches ((SR_1+SR_2+ SR_3)/3)	85.72		

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)	7.83	7.58	7.61
Y= Total no. of successful students	67	82	72
Z = Total no. of students appeared in the examination	94	105	90
API = X* (Y/Z)	5.58	5.92	6.09
Average API = (API_1 + API_2 + API_3)/3	5.86		

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X= (Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2nd year/10)	7.56	7.69	7.16
Y= Total no. of successful students	109	105	102
Z =Total no. of students appeared in the examination	118	117	116
API = X* (Y/Z)	6.98	6.90	6.30
Average API = (API_1 + API_2 + API_3)/3	6.73		

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)	7.83	7.71	7.33
Y= Total no. of successful students	116	102	105
Z= Total no. of students appeared in the examination	119	115	120
API = X* (Y/Z)	7.63	6.84	6.41
Average API = (API_1 + API_2 + API_3)/3	6.96		

B9: Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2020-21)	LYGm1 (2019-20)	LYGm2 (2018-19)
FS*=Total no. of final year students	119	119	129
X= No. of students placed	72	82	78
Y= No. of students admitted to higher studies	19	22	9
Z= No. of students taking up entrepreneurship	0	0	0
X + Y + Z =	91	104	87
Placement Index (P) = (((X + Y + Z)/FS) * 100)	76.47	87.39	67.44
Average placement index = (P_1 + P_2 + P_3)/3	77.10		

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

S.No.	Name of the Faculty	Highest Degree	University Name	Area of Specialization	Date of Joining in this Institution	Experience in current institute (in years)	Designation at Time Joining in this Institution	Present Designation	Date (Designated as Prof/ Assoc. Prof.)	Nature of Association	If Contractual mention Full Time or (Part Time or hourly based)	Currently Associated (Yes/No)	Date of Leaving(in case of NO)
1	M Srilatha	M.Tech	JNTU, Hyderabad	Electrical Power Systems	27-12-2016	9.3	Asst. Professor	Asst. Professor	27-12-2016	Regular	NA	Yes	
2	K Rajeshwar Reddy	M.Tech	JNTU, Hyderabad	Power Systems	02-01-2017	9.3	Asst. Professor	Asst. Professor	02-01-2017	Regular	NA	Yes	
3	B Vedik	Ph.D	National Insitute of Technology, Harmirpur	Power Systems	03-06-2016	9.10	Asst. Professor	Assoc. Professor	01-07-2023	Regular	NA	Yes	
4	Ram Raghotham Rao Deshmukh	Ph.D	Cardiff University	Electrical Machines	03-07-2017	8.9	Professor	Professor	03-07-2017	Regular	NA	Yes	
5	Chandan Kumar Shiva	Ph.D	Indian Insitute of Technology, Dhanbad	Power Systems	09-03-2018	8.1	Asst. Professor	Assoc. Professor	01-07-2023	Regular	NA	Yes	
6	Ritesh Kumar	M.Tech	ISM Dhanbad	Power Systems	01-06-2016	7.5	Asst. Professor	Asst. Professor	01-06-2016	Regular	NA	No	21-11-2023
7	A Chandramouli	Ph.D	Satyabama Institute of Science and Technology	Power Electronics	14-06-2018	7.10	Asst. Professor	Asst. Professor	14-06-2018	Regular	NA	Yes	

8	Sachidananda Sen	Ph.D	Indian Insitute of Technology Roorkee	Control Systems	11-05-2020	5.11	Asst. Professor	Assoc. Professor	01-07-2024	Regular	NA	Yes	
9	Mohana Kishore	Ph.D	IIT, Hyderabad	Power Electronics	26-06-2020	4.11	Asst. Professor	Asst. Professor	26-06-2020	Regular	NA	No	30-05-2025
10	Srikanth Velpula	Ph.D	Vellore Institute of Technology	Renewable Energy Sources	18-07-2022	3.8	Asst. Professor	Asst. Professor	18-07-2022	Regular	NA	Yes	
11	Amit Kumar Yadav	Ph.D	NIT, Hamirpur	Artificial intelligence in Energy Systems	22-08-2022	3.7	Asst. Professor	Asst. Professor	22-08-2022	Regular	NA	Yes	
12	Sunil Raj Pendem	Ph.D	NIT, Goa	Power Control & Drives	25-05-2020	3.4	Asst. Professor	Asst. Professor	25-05-2020	Regular	NA	No	25-09-2023
13	Lavudya Swathi	M.Tech	Chaitanya Deemed to be Univeristy	Power Electronics	23-01-2023	3.2	Asst. Professor	Asst. Professor	23-01-2023	Regular	NA	Yes	
14	Nookala Sruthi	M.Tech	JNTU, Hyderabad	Power Electronics	08-02-2023	3.2	Asst. Professor	Asst. Professor	08-02-2023	Regular	NA	Yes	
15	D M Vinod Kumar	Ph.D	IIT , Kanpur	Power System deregulation, Soft computing techniques and Artificial intelligence	27-03-2023	3.0	Professor	Professor	27-03-2023	Regular	NA	Yes	
16	Rayini Nagarani	M.Tech	JNTU, Hyderabad	Power Electronics	03-07-2023	2.9	Asst. Professor	Asst. Professor	03-07-2023	Regular	NA	Yes	
17	Darmendra Yadeo	Ph.D	VNIT, Nagpur	Power Electronics	27-07-2020	2.10	Asst. Professor	Asst. Professor	27-07-2020	Regular	NA	No	31-05-2023
18	Buddhadeva Sahoo	Ph.D	Siksha O Anusandhan Deemed to be University	Electric Vehicles and Microgrid	22-05-2023	2.10	Asst. Professor	Assoc. Professor	01-07-2025	Regular	NA	Yes	
19	D Raja Babu	Ph.D	JNTU, Hyderabad	Power Systems Engineering	24-05-2006	19.10	Asst. Professor	Assoc. Professor	05-02-2009	Regular	NA	Yes	
20	A V V Sudhakar	Ph.D	JNTU, Hyderabad	Power Systems	10-12-2007	18.4	Assoc. Professor	Professor	01-07-2024	Regular	NA	Yes	

21	B Sathyavani	Ph.D	JNTU, Hyderabad	Power Electronics	10-09-2008	17.7	Asst. Professor	Asst. Professor	10-09-2008	Regular	NA	Yes	
22	Md Mujahid Irfan	Ph.D	JNTU, Hyderabad	Electric Vehicles, Renewable Energy and Power Converters	06-01-2012	14.3	Asst. Professor	Asst. Professor	01-07-2024	Regular	NA	Yes	
23	M Ashok	M.Tech	JNTU, Hyderabad	Power Electronics	01-02-2016	10.2	Asst. Professor	Asst. Professor	01-02-2016	Regular	NA	Yes	
24	Sai Kumar Mahadevuni	M.Tech	Osmania University	Power Systems	22-04-2015	10.11	Asst. Professor	Asst. Professor	22-04-2015	Regular	NA	Yes	
25	K Dhana Raj	M.Tech	JNTU, Hyderabad	Electrical Power Systems	25-04-2015	10.11	Asst. Professor	Asst. Professor	25-04-2015	Regular	NA	Yes	
26	Rajamallaiah	Ph.D	National Institute of Technology, Andhra Pradesh	Power Electronics	24-07-2023	1.9	Asst. Professor	Asst. Professor	24-07-2023	Regular	NA	No	16-05-2025
27	Rajendra Bhanu Teja	M.Tech	NIT, Warangal	Power Systems Engineering	02-07-2024	1.9	Asst. Professor	Asst. Professor	02-07-2024	Regular	NA	Yes	
28	Ch Hussaian Basha	Ph.D	Vellore Institute of Technology	Power Electronics and Drives	01-08-2024	1.8	Asst. Professor	Assoc. Professor	01-07-2025	Regular	NA	Yes	
29	Viswanadha S Murthy	M.Tech	JNTU, Hyderabad	Electrical Power Systems	04-07-2024	1.2	Asst. Professor	Asst. Professor	04-07-2024	Regular	NA	No	26-09-2025
30	Rasananda Muduli	Ph.D	NIT, Surathkal	Electric Vehicles and Renewable Energy Sources	03-06-2024	1.0	Asst. Professor	Asst. Professor	03-06-2024	Regular	NA	No	25-06-2025
31	Dr.Markala Karthik	Ph.D	NIT, Rourkela	Electrical Power Systems	07-07-2025	0.9	Asst. Professor	Asst. Professor	07-07-2025	Regular	NA	Y	
32	Dr.Sourav Basak	Ph.D	Indian Institute of Technology (ISM) Dhanbad	Power Systems Engineering	06-07-2025	0.9	Asst. Professor	Asst. Professor	06-07-2025	Regular	NA	Y	
33	Dr.Padmini M	Ph.D	Pondicherry University	Green Energy Technology	01-08-2025	0.9	Asst. Professor	Asst. Professor	01-08-2025	Regular	NA	Y	

34	Neetu Prasad	Ph.D	University of Delhi	AI-Integrated Flexible Sensors and Wearable Nanodevices for Precision Healthcare	26-06-2025	0.9	Asst. Professor	Asst. Professor	26-06-2025	Regular	NA	Y	
35	Dr.Sourabh Ghosh	Ph.D	Motilal Nehru National Institute of Technology, Allahabad	Power Electronics and Drives	02-08-2025	0.8	Asst. Professor	Asst. Professor	02-08-2025	Regular	NA	Y	
36	Dr.Badavath Vinod kumar	Ph.D	NIT, Tiruchirappalli	High Voltage Engineering	13-08-2025	0.8	Asst. Professor	Asst. Professor	13-08-2025	Regular	NA	Y	
37	Dr.Asiqrahman OS	Ph.D	Indian Institute of Technology Patna	2D Nanomaterials, Thermal Spray Coatings, Wettability, Mechanical, Energy Applications	13-08-2025	0.8	Assoc. Professor	Assoc. Professor	13-08-2025	Regular	NA	Y	
38	Dr.K Mounika Nagabhushanam	Ph.D	SRM University AP	Power Electronics	28-07-2025	0.8	Asst. Professor	Asst. Professor	28-07-2025	Regular	NA	Y	
39	Shravan Kumar Yadav	Ph.D	National Institute of Technology Jamshedpur	Power Quality and Renewable Energy	01-08-2025	0.8	Asst. Professor	Asst. Professor	01-08-2025	Regular	NA	Y	
40	Ammu Anna Mathew	Ph.D	Vellore Institute of Technology, Vellore	Sensors & Biomedical Engineering	17-07-2025	0.2	Asst. Professor	Asst. Professor	17-07-2025	Regular	NA	No	11-10-2025
41	Cheeranjeevi Madderla	Ph.D	NIT, Surathkal	Power systems and Artificial Engineering	10-06-2024	0.11	Asst. Professor	Asst. Professor	10-06-2024	Regular	NA	No	05-06-2025
42	Daravath Nagaraju	Ph.D	Lovely Professional University	Distributed Generators	05-08-2024	0.11	Asst. Professor	Asst. Professor	05-08-2024	Regular	NA	No	15-07-2025
43	Pankaj Sharma	Ph.D	Vellore Institute of Technology, Vellore	Renewable Energy	01-08-2025	0.1	Asst. Professor	Asst. Professor	01-08-2025	Regular	NA	No	03-09-2025

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)).

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

Description	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)
UG1.B	132	132	132
UG1.C	132	132	132
UG1.D	132	132	132
UG1: Electrical & Electronics Engineering	396	396	396
PG1.A	16	16	16
PG1.B	16	16	16
PG1: Power Electronics	32	32	32
DS=Total no. of students in all UG and PG programs in the Department	428	428	428
AS=Total no. of students of all UG and PG programs in allied departments	-	-	-
S=Total no. of students in the Department (DS) and allied departments (AS)	428	428	428
DF=Total no. of faculty members in the Department	32	29	23
AF= Total no. of faculty members in the allied Departments	-	-	-
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	32	29	23
FF=The faculty members in F who have a 100% teaching load in the first-year courses	9	2	2
Student Faculty Ratio (SFR)=S/(F-FF)	18.61	15.85	20.38
Average SFR for 3 years	**SFR= 18.28**		

C3: Faculty Qualification

Table No.C3.1: Faculty qualification

Year	X	Y	RF	FQI= 2.5 * [(10X +4Y)/RF]
CAY (2025-26)	23	9	21	31.67
CAYm1 (2024-25)	18	11	21	26.67
CAYm2 (2023-24)	14	9	21	20.95

C4: Faculty Cadre Proportion

Table No.C4.1: Faculty cadre proportion details.

Year	Professors		Associate Professors		Assistant Professors	
	Required Faculty (RF1)	Available Faculty (AF1)	Required Faculty (RF2)	Available Faculty (AF2)	Required Faculty (RF3)	Available Faculty (AF3)
CAY (2025-26)	2	3	5	8	14	21
CAYm1 (2024-25)	2	3	5	5	14	21
CAYm2 (2023-24)	2	2	5	4	14	17
Average Numbers	2.33	2.67	4.67	5.67	14.00	19.67

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.

S.N.	Name of the Person	Designation & Organization	Name of the Course	No. of hours handled
2024-25 (CAYm1)				
1	Dr.S. Chandrashekhar Reddy	Professor Christu Jyothi Institute of Technology & Science Colombonagar, Yeshwanthapur	AC Rotating Machines	28
..	Dr.S. Chandrashekhar Reddy	Professor Christu Jyothi Institute of Technology & Science Colombonagar, Yeshwanthapur	Power Transmission Systems	27
			Total no. of hours:	**55**
2023-24 (CAYm2)				
1	Dr. T Purnachandra Rao	Professor (Retd.) NIT Warangal	Distributed Generation and Micro Grid	27
..	Dr. T Purnachandra Rao	Professor (Retd.) NIT Warangal	Wind Energy Systems	27
			Total no. of hours:	**54**
2022-23 (CAYm3)				
1	Dr. S Mallika Arjun Reddy	Associate Professor Balaji Institute of Technology & Science, Narsampet	Solar Thermal PV Systems	27

..	Dr. S Mallika Arjun Reddy	Associate Professor Balaji Institute of Technology & Science, Narsampet	Computer Methods in Power Systems	28
			Total no. of hours:	**55**

C6: Academic Research

Table No. C6.1: Faculty publication details.

S.N.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	49	29	20
2	No. of peer reviewed conference papers published	103	96	31
3	No. of books/book chapters published	21	10	6

C7: Sponsored Research Project

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

S.N.	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)
2024-25 (CAYm1)							
1	Dr. D. Raja Babu	-	EEE	AI-Driven Intelligent Power Quality Monitoring and Disturbance Classification System Using Advanced Signal Processing Techniques	Zithara Technologies Private Limited	1 Year	1.90
						Amount received (Rs.)	**1.90**
2023-24 (CAYm2)							
1	Dr. Chandan Kumar Shiva	-	EEE	Chaotic Hybrid Metaheuristic Algorithms for Solving High-Dimensional Optimization Problems	Stingfly Aerospace Private Limited	1 Year	1.85
…	Dr. Ram Raghotham Rao	Dr N Suman Kumar, Dr DM Vinod Kumar	EEE	Role of Industry Specific Clusters in Growth of State Economy - A Study on Selected Clusters of Telangana	ICSSR	2 Years	12.00
						Amount received (Rs.)	13.85
2022-23 (CAYm3)							
1	Dr. B.Vedik	-	EEE	Optimal Micro-PMU Deployment in Active Distribution Networks Using Hybrid Evolutionary Algorithms	Controlytics AI Private Limited	1 Year	1.15
..	Dr. MD. Mujahid Irfan	-	EEE	Adaptive ANN-Based Control Strategies for Power Quality Enhancement in Grid-Integrated Wind Turbines	Saptam Corporation	1 Year	1.69
						Amount received (Rs.)	2.84
						Total Amount (Lacs) Received for the Past 3 Years	18.59

C8: Consultancy Work

Table No. C8.1: List of consultancy projects received from external agencies.

S.N.	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)
2024-25 (CAYm1)							
1	Dr. Chandan Kumar Shiva		EEE	Smart Energy Management and Load Optimization System for Industrial Power Efficiency using IoT and AI	Zithara Technologies Private Limited	1 Year	1.40
..	B. Sathyavani		EEE	Design and Development of High-Efficiency Power Systems for UAV and Aerospace Applications	Stingfly Aerospace Private Limited	1 Year	1.27
						Amount received (Rs.)	2.67
2023-24 (CAYm2)							
1							
						Amount received (Rs.)	0
2022-23 (CAYm3)							
1	Dr. D. Raja Babu		EEE	Development of Electricity Generator Tiles	Redeem Industries Private Limited	1 Year	0.98
..	Md. Mujahid Irfan		EEE	Development of a Cloud-Based Energy Management System for Electric Vehicle Charging Infrastructure	Secernate Games Private Limited	1 Year	0.89
						Amount received (Rs.)	1.87
						Total amount (Lacs) received for the past 3 years	4.54

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

S.N.	Faculty name	Project title/ Support for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the project
2024-25 (CAYm1)						
1						
..						
						Amount received (Rs.): 0.00
2023-24 (CAYm2)						
1	Srikanth Velpula	An Intelligent Data Mining and Stockwell Transform-Based Framework for Advanced Fault Detection and Classification in Photovoltaic (PV) Systems	1 Year	1.73	1.73	Research Publications
					Amount received (Rs.)	1.73

2022-23 (CAYm3)						
1	Dr. Chandan Kumar Shiva	Quasi-Oppositional Atom Search Optimization for Enhanced Automatic Generation....	1 Year	1.93	1.93	Research Publications
2	Dr. Sachidanand Sen	Setting up a community microgrid and its energy management....	1 Year	1.87	1.87	Research Publications
					Amount received (Rs.)	3.80
					Total amount (Lacs) received for the past 3 years	5.53

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.

S. 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	30	MATLAB R23	12 Hrs	N. Ravikumar	Lab Assistant	ITI
2	DC Machines and Transformers	30	DC Shunt Generator coupled to DC Shunt Motor Set	12 Hrs	L. RAMESH	Lab Assistant	ITI
3	Power Electronics	30	1. Oscilloscope 2. Three phase half/Fully controlled bridge converter 3. PWM inverter drive with motor and loading arrangement 4.Single phase Cyclo Converter. 5.Single phase fully controlled bridge converter	12 Hrs	T. Nataraju	Sr. Lab Assista	DEE
4	AC Rotating Machines	30	3-Phase Induction motor, Synchronous motor, Alternator	12 Hrs	L. Ramesh	Lab Assistant	ITI
5	Control System	30	Lead lag compensator, servomotor and Controller Training kit	12 Hrs	N. Ravikumar	Lab Assistant	IIT
6	Basics of PLC Programming	30	SINAMICS G120 Kit (Drive Demo Kit) and SIMATIC S7 1200 Kit (Automation Demo Kit)	4 Hrs	T. Nataraju	Sr. Lab Assista	DEEE
7	Power Semiconductor Drives	30	MATLAB R23	12 Hrs	N. Ravikumar	Lab Assistant	IIT
8	Computer Methods in Power Systems	30	MATLAB R23	12 Hrs	L. Ramesh	Lab Assistant	ITI
9	Advanced PLC Programming	30	SINAMICS G120 Kit (Drive Demo Kit) and SIMATIC S7 1200 Kit (Automation Demo Kit)	4 Hrs	T. Nataraju	Sr. Lab Assista	DEEE

D2: Safety Measures in Laboratories

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

S. No.	Laboratory Name	Safety Measures
1	Electrical Machines Lab	• Proper insulation and earthing of all electrical equipment. • Use of fuses, MCBs, overload relays, and emergency stop switches. • The lab supervisor shall continuously monitor personnel to ensure safe distance from rotating parts and to prevent hazards caused by loose clothing or metal accessories. • Operate machines only under the supervision of lab instructors. • Use plastic or rubber insulating floor mats near electrical panels and machines. • Regular maintenance of all laboratory equipment • Fire Extinguisher. • First- Aid Kit.
2	Power Electronics Lab	• Switch off the power supply before changing or checking circuit connections. • Use insulated tools and avoid touching any live terminals. • The lab supervisor shall continuously monitor personnel to ensure safe distance from rotating parts and to prevent hazards caused by loose clothing or metal accessories. • Operate machines only under the supervision of lab instructors. • Fire Extinguisher. • First- Aid Kit.
3	Control Systems Lab	• Switch off the power supply before changing or checking circuit connections. • Use insulated tools and avoid touching any live terminals • The lab supervisor shall continuously monitor personnel to ensure safe distance from rotating parts and to prevent hazards caused by loose clothing or metal accessories. • Operate machines only under the supervision of lab instructors. • Fire Extinguisher. • First- Aid Kit.
4	Electrical Simulation Lab	• Ensure all desktops and monitors are properly plugged into grounded outlets. • Keep desktops dust-free to prevent overheating. • Regular inspection of power cords, UPS, and desktops for wear and tear • No overloading of power sockets • Emergency power-off controls. • Supervised Usage.
5	Electrical Circuits Lab	• Switch off the power supply before changing or checking circuit connections. • Use insulated tools and avoid touching any live terminals. • Ensure all power devices and heat sinks are properly cooled and not overloaded. • Fire Extinguisher. • First- Aid Kit.
6	PLC and Automation Lab	• Ensure all PLC panels and wiring are properly insulated and grounded before powering the system. • Always de-energize the PLC setup before modifying connections, adding modules, or handling sensors and actuators. • Validate all PLC programs in offline/simulation mode first to avoid unsafe motions or unintended equipment activation. • HMI touch panel.

D3: Project Laboratory/Research Laboratory

Table No. D3.1: List of project laboratory/research laboratory /Centre of Excellence.

S. No.	Name of the Laboratory
1	Centre for Emerging Energy Technologies (CEET)
2	Nest for Entrepreneurship in Science and Technology (NEST)
3	Collaboratory of Social Innovation
4	Centre for Design

PART E: Fist Year faculty and financial Resources.

(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1: First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) +(NS2*0.2))/RF
2022-23 (CAYm2)	120	6	6	6	100.00
2023-24 (CAYm1)	120	6	6	5	96.67
2024-25 (CAY)	120	6	6	5	96.67
				Average Percentage:	97.78

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 Feb 2026	Budgeted in 2024-25	Actual Expenses in 2024-25	Budgeted in 2023-24	Actual Expenses in 2023-24	Budgeted in 2022-23	Actual Expenses in 2022-23
Infrastructure Built-Up	32,00,00,000	30,74,72,887	27,00,00,000	26,09,61,228	15,00,00,000	14,13,89,016	11,00,00,000	10,92,08,830
Library	1,10,00,000	1,02,18,228	1,00,00,000	95,86,452	90,00,000	87,10,496	50,00,000	47,69,512
Laboratory equipment	3,50,00,000	3,24,64,442	3,00,00,000	2,56,00,070	2,50,00,000	2,32,41,873	2,10,00,000	2,00,07,583
Teaching and non-teaching staff salary	70,00,00,000	68,47,27,810	67,00,00,000	65,37,24,738	60,00,00,000	58,73,38,069	39,00,00,000	38,47,65,924
Outreach Programs	4,50,00,000	4,25,63,897	4,00,00,000	3,84,62,784	2,90,00,000	2,76,85,254	78,00,000	76,97,353
R&D	2,85,00,000	2,78,81,002	1,50,00,000	1,43,56,277	1,10,00,000	1,05,60,245	35,00,000	31,86,050
Training, Placement and Industry linkage	1,40,00,000	1,27,63,481	1,20,00,000	1,15,62,313	73,00,000	71,25,009	90,00,000	87,07,742
SDGs	70,00,000	61,54,238	55,00,000	54,63,534	50,00,000	48,66,025	1,15,00,000	1,13,94,225
Entrepreneurs hip	40,00,000	36,93,623	30,00,000	29,78,652	20,00,000	19,86,423	16,00,000	15,47,632
Others*,pl. specify	60,00,00,000	57,63,95,715	50,00,00,000	49,07,01,951	30,00,00,000	27,23,47,508	20,00,00,000	18,67,26,285
Total amount	**1,76,45,00,000**	**1,70,43,35,323**	**1,55,55,00,000**	**1,51,33,97,999**	**1,13,83,00,000**	**1,08,52,49,918**	**75,94,00,000**	**73,80,11,136**

E3: Budget Allocation, Utilization, and Public Accounting at Program Specific Level

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till Feb-2026	Budgeted in 2024-25	Actual Expenses in 2024-25	Budgeted in 2023-24	Actual Expenses in 2023-24	Budgeted in 2022-23	Actual Expenses in 2022-23
Laboratory equipment	13,00,000	11,26,380	18,00,000	15,29,000	16,00,000	12,72,899	20,00,000	17,93,800
Software	2,00,000	1,45,263	2,00,000	1,62,840	2,00,000	1,45,859	1,00,000	99,576
SDGs	4,00,000	3,56,827	3,50,000	3,19,270	3,00,000	2,72,605	5,00,000	4,52,169
Support for faculty development	12,00,000	11,52,637	10,00,000	9,76,382	9,00,000	8,80,579	5,00,000	4,97,634
R & D	12,00,000	10,89,745	11,00,000	10,26,883	10,00,000	9,81,430	3,50,000	3,22,169
Industrial Training, Industry expert, Internship	8,00,000	7,66,539	6,00,000	5,47,632	5,75,000	5,39,451	5,50,000	5,24,007
Miscellaneous expenses*	30,00,000	29,48,422	23,50,000	23,22,668	20,00,000	19,84,377	13,00,000	12,76,376
Total amount	**81,00,000**	**75,85,813**	**74,00,000**	**68,84,675**	**65,75,000**	**60,77,200**	**53,00,000**	**49,65,731**