

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 : 1
Application No : 11962	Date of Submission : 24-06-2026

PART A- Profile of the Institute

A1.Name of the Institute : G.PULLA REDDY ENGINEERING COLLEGE	
Year of Establishment : 1985	Location of the Institute: 15781317805578
A2. Institute Address :G. Pulla Reddy Engineering College, Pulla Reddy Nagar, Nandyal Road, Kurnool - 518007, Andhra Pradesh	
City:Kurnool	State:Andhra Pradesh
Pin Code:518007	Website:www.gprec.ac.in
Email:principal@gprec.ac.in	Phone No(with STD Code):08518-270957
A3. Name and Address of the Affiliating University (if any) :	
Name of the University : Jawaharlal Nehru Technological University, Anantap	City: Anantpur
State : Andhra Pradesh	Pin Code: 515002
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: **5**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	PG	Advanced Manufacturing Technology	2022	--	Mechanical Engineering
2	Engineering & Technology	PG	Automation & Robotics	2022	--	Electrical and Electronics Engineering
3	Engineering & Technology	UG	Civil Engineering	1984	--	Civil Engineering
4	Engineering & Technology	UG	Computer Science & Technology	2020	2023	Computer Science and Technology
5	Engineering & Technology	UG	Computer Science and Business System	2020	2024	Computer Science and Business System
6	Engineering & Technology	PG	Computer Science and Engineering	2009	--	Computer Science and Engineering
7	Engineering & Technology	UG	Computer Science and Engineering	1991	--	Computer Science and Engineering

8	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2021	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
9	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2021	2025	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
10	Engineering & Technology	UG	Electrical & Electronics Engineering	1994	--	Electrical and Electronics Engineering
11	Engineering & Technology	UG	Electronics & Communication Engineering	1984	--	Electronics and Communication Engineering
12	Engineering & Technology	UG	Mechanical Engineering	1984	--	Mechanical Engineering
13	Engineering & Technology	PG	Structural Engineering	2009	--	Civil Engineering
14	Engineering & Technology	PG	VLSI & Embedded Systems	2011	--	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
Civil Engineering	No	Civil Engineering	UG
Electrical and Electronics Engineering	No	Electrical & Electronics Engineering	UG
Mechanical Engineering	No	Mechanical Engineering	UG

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

No Record

PART-B: Program information

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

Table No. B1: Program details.

A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Electrical & Electronics Engineering	UG	1994 / --	60	Yes	2008	120	2008	730-50-207(E)/ET/97 dated: 31-07-2008	Granted accreditation for 3 years for the period (specify period)	2023	2026	5	4

List of the Allied Departments/Cluster and Programs:

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

A. Name of the HoD :	Dr. G. Kishor
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	120	120	120	120	120	120	120
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	119	120	105	110	104	120	107
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	12	27	22	29	12	26
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	12	12	12	12	11	8	7
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	131	144	144	144	144	140	140

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

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

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	120	119	12	109.17
2024-25 (CAYm1)	120	120	12	110.00
2023-24 (CAYm2)	120	105	12	97.50

Average [(ER1 + ER2 + ER3) / 3] = 105.56≅ 100

B5. Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	144.00	140.00	140.00
B=No. of students who graduated from the program in the stipulated course duration	107.00	120.00	115.00

Success Rate (SR)= (B/A) * 100	74.31	85.71	82.14
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Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 80.72

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)
Mean of CGPA or mean percentage of all successful students(X)	7.39	7.26	7.50
Y=Total no. of successful students	74.00	78.00	98.00
Z=Total no. of students appeared in the examination	132.00	117.00	122.00
API [X*(Y/Z)]	4.14	4.84	6.02

Average API[(AP1+AP2+AP3)/3] : 5.00

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)	7.41	7.60	7.67
Y=Total no. of successful students	96.00	115.00	110.00
Z=Total no. of students appeared in the examination	105.00	120.00	116.00
API [X * (Y/Z)]	6.77	7.28	7.27

Average API [(AP1 + AP2 + AP3)/3] : 7.11

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)	7.76	7.76	8.03
Y=Total no. of successful students	112.00	107.00	120.00
Z=Total no. of students appeared in the examination	115.00	110.00	121.00
API [X*(Y/Z)]:	7.56	7.55	7.96

Average API [(AP1 + AP2 + AP3)/3] : 7.69

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	144.00	140.00	140.00
X=No. of students placed	55.00	68.00	86.00
Y=No. of students admitted to higher studies	6.00	12.00	6.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	42.36	57.14	65.71

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. G. Kishor	XXXXXXXX85B	Ph.D	Jawaharlal Nehru Technological University, Anantapur	Power Electronics & Industrial Drives	01/12/2011	14.6	Associate Professor	Professor	11/07/2022	Regular	Yes		Yes
2	Dr. T. Bramhananda Reddy	XXXXXXXX55M	Ph.D	Jawaharlal Nehru Technological University, Hyderabad	Industrial Drives and Control	24/06/2003	23	Assistant Professor	Professor	01/10/2011	Regular	Yes		No
3	Dr. Y.V. Siva Reddy	XXXXXXXX39P	Ph.D	Jawaharlal Nehru Technological University, Anantapur	Electrical Power Systems	02/07/2014	11.11	Professor	Professor	02/07/2014	Regular	Yes		No
4	Dr. K. Sri Gowri	XXXXXXXX04D	Ph.D	Jawaharlal Nehru Technological University, Kakinada	Power Electronic Drives	22/06/2016	9.11	Professor	Professor	22/06/2016	Regular	Yes		No
5	Dr. M. Siva Satyanarayana	XXXXXXXX62P	Ph.D	Jawaharlal Nehru Technological University, Hyderabad	Electrical Power Systems	18/08/1997	28.10	Assistant Professor	Associate Professor	02/10/2006	Regular	Yes		No
6	Dr. N. Ravishankar Reddy	XXXXXXXX95C	Ph.D	Jawaharlal Nehru Technological University, Hyderabad	Power Electronics and Drives	17/06/2005	21	Assistant Professor	Associate Professor	01/10/2010	Regular	Yes		No
7	Dr. V. Anantha Lakshmi	XXXXXXXX12N	Ph.D	Jawaharlal Nehru Technological University, Hyderabad	Power Electronics and Drives	02/12/2005	20.6	Assistant Professor	Associate Professor	28/08/2015	Regular	Yes		No
8	Dr. M. Harshavardhan Reddy	XXXXXXXX45Q	Ph.D	Jawaharlal Nehru Technological University, Hyderabad	Power Electronics and Drives	14/06/2011	15	Assistant Professor	Associate Professor	02/10/2017	Regular	Yes		No

9	Dr. G. Satheesh	XXXXXXX48B	Ph.D	Jawaharlal Nehru Technological University, Kakinada	Power and Industrial Drives	14/06/2011	15	Assistant Professor	Associate Professor	20/04/2015	Regular	Yes		No
10	Dr. C. Harinatha Reddy	XXXXXXX73M	Ph.D	Rayalaseema University, Kurnool	Power Electronics and Industrial Drives	17/06/2013	13	Assistant Professor	Associate Professor	01/11/2018	Regular	Yes		No
11	Dr. B. Urmila	XXXXXXX69H	Ph.D	Rayalaseema University, Kurnool	Power Electronics	28/06/2007	17.6	Assistant Professor	Associate Professor	01/08/2017	Regular	No	31/12/2024	No
12	Dr. G. Venakata Subba Reddy	XXXXXXX66A	Ph.D	Jawaharlal Nehru Technological University, Anantapur	Power Systems Engineering	15/06/2006	20	Assistant Professor	Associate Professor	01/03/2022	Regular	Yes		No
13	Dr. G. Sreenivasa Reddy	XXXXXXX16N	Ph.D	Jawaharlal Nehru Technological University Anantapur	High Voltage Engineering	20/06/2012	14	Assistant Professor	Associate Professor	01/03/2022	Regular	Yes		No
14	Dr. S. Anil Kumar	XXXXXXX57G	Ph.D	Jawaharlal Nehru Technological University, Anantapur	Electrical Power Systems	02/12/2009	16.6	Assistant Professor	Assistant Professor		Regular	Yes		No
15	B. Amarnath Naidu	XXXXXXX50R	M.Tech	Sri Krishnadevaraya University, Anantapur	Power Electronics	01/11/2012	13.7	Assistant Professor	Assistant Professor		Regular	Yes		No
16	G. Haritha	XXXXXXX06M	M.Tech	Jawaharlal Nehru Technological University, Anantapur	Power Electronics & Electric Drives	25/06/2012	13.11	Assistant Professor	Assistant Professor		Regular	Yes		No
17	M. Sreenivasa Reddy	XXXXXXX53L	M.Tech	Jawaharlal Nehru Technological University, Anantapur	Power Electronics	22/11/2019	6.6	Assistant Professor	Assistant Professor		Regular	Yes		No
18	A. Pradeep Kumar Yadav	XXXXXXX68E	M.Tech	Jawaharlal Nehru Technological University, Anantapur	Power Electronics & Electric Drives	19/06/2013	13	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Dr. B.V. Arun Kumar	XXXXXXX51R	Ph.D	Sri Venkateswara University, Tirupati	Power Electronics	01/12/2021	4.6	Assistant Professor	Assistant Professor		Regular	Yes		No
20	E. Jyothirmai	XXXXXXX10P	M.Tech	Jawaharlal Nehru Technological University, Anantapur	Electrical Power Systems	25/07/2022	3.10	Assistant Professor	Assistant Professor		Regular	Yes		No

21	B. Rajeswari	XXXXXXX25A	M.Tech	Jawaharlal Nehru Technological University, Anantapur	Electrical Power Systems	25/07/2022	3.10	Assistant Professor	Assistant Professor		Regular	Yes		No
22	K. Harish Reddy	XXXXXXX55J	M.Tech	Jawaharlal Nehru Technological University, Anantapur	Electrical Power Systems	10/10/2022	3.8	Assistant Professor	Assistant Professor		Regular	Yes		No
23	K. Niteesh Kumar	XXXXXXX75L	M.Tech	Sri Venkateswara University, Tirupati	Instrumentation and Control Systems	01/08/2023	2.10	Assistant Professor	Assistant Professor		Regular	Yes		No
24	A. Vijaya Kumar Reddy	XXXXXXX85P	M.Tech	Gitam University	Power Systems and Automation	01/08/2023	2.10	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Dr. K. Jagadeesh	XXXXXXX65F	Ph.D	Sri Venkateswara University, Tirupati	Power Electronics	01/08/2024	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No
26	P. Anjaneya Vara Prasad	XXXXXXX37P	M.Tech	Jawaharlal Nehru Technological University, Anantapur	Power Electronics and Drives	07/08/2024	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No
27	S. Masum Basha	XXXXXXX62Q	M.Tech	Sri Krishnadevaraya University, Anantapur	Power Electronics	08/08/2024	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No
28	D. Vannurappa	XXXXXXX63C	M.Tech	Jawaharlal Nehru Technological University, Anantapur	Electrical Power Systems	09/08/2024	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No
29	Dr.N.Chandra Sukanya	XXXXXXX03F	Ph.D	Kyungpook National University, South Korea	Computer and Information	16/06/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No
30	Dr.K.Rajesh	XXXXXXX87K	Ph.D	Jawaharlal Nehru Technological University, Anantapur	Control Systems	16/06/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No
31	Dr. Nayeemuddin.M	XXXXXXX40B	Ph.D	Jawaharlal Nehru Technological University, Anantapur	Power Electronics	01/06/2009	15.1	Assistant Professor	Associate Professor	01/07/2017	Regular	No	29/06/2024	No

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

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):

UG1=1st UG program

UGn=nth UG program

B= No. of Students in UG 2nd year (ST)

C= No. of Students in UG 3rd year (ST)

D= No. of Students in UG 4th year (ST)

No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

Student Faculty Ratio (**SFR**) = S/F

S= No. of students of all programs in the Department including all students of allied departments/clusters.

No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)

Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.

F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

No. of UG Programs in the Department1 No. of PG Programs in the Department1

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	132	132	132
UG1.C	132	132	132
UG1.D	132	132	132
UG1: Electrical & Electronics Engineering	396	396	396
PG1.A	12	12	12
PG1.B	12	12	12
PG1: Automation & Robotics	24	24	24
DS=Total no. of students in all UG and PG programs in the Department	420	420	420
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= 420	S2= 420	S3= 420
DF=Total no. of faculty members in the Department	29	27	25
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= 29	F2= 27	F3= 25
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= 14.48	SFR2= 15.56	SFR3= 16.80
Average SFR for 3 years	SFR= 15.61		

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)	17	12	20.00	27.25
2024-25(CAYm1)	14	13	20.00	24.00
2023-24(CAYm2)	15	10	20.00	23.75

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = $1/9 \times$ 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 = $2/9 \times$ 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 = $6/9 \times$ No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	2.00	4.00	5.00	8.00	14.00	17.00
2024-25	2.00	4.00	5.00	8.00	14.00	15.00
2023-24	2.00	4.00	5.00	10.00	14.00	11.00
Average	RF1=2.00	AF1=4.00	RF2=5.00	AF2=8.67	RF2=14.00	AF2=14.33

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	Dr. M. Ranjit	Electronics Engineer	Valeo India private Limited	Power Electronics and Drives – Industry approach	53.00
2	Mr. G. Pradeep Kumar	Technology Leader	Creative Groups Bangalore	Hybrid Power systems	55.00
3	Mr K V Swamy	Senior Trainer	Sixphrase Edutech Pvt. Ltd.	Soft skills and JAVA	82.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Pavan Pillalamarri	Program director	General Electricals HYD	Recent Trends in power energy management	55.00
2	Dr. B. Pratap Reddy	Inspire faculty, DESE	IISC Bengaluru	Basic hardware building and design ascepts	53.00
3	Mr. K V Swamy	Senior Trainer	Amphiventures Pvt. Ltd (E-Box).	Soft skills and Full stack Python	80.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.R.Venugopal	Director	Venjay Automation Pvt Ltd	PLC Automation	25.00
2	Mr. K V Swamy	Senior Trainer	Edyst consulting Pvt. Ltd	Soft skills & JAVA	80.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	19	14	9
2	No. of peer reviewed conference papers published	35	8	0
3	No. of books/book chapters published	14	3	2

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.T.Bramhananda Reddy	Sri.A.Pradeep Kumar Yadav	EEE	AICTE – IDEA Lab	AICTE	2 Years	90.00
						Amount received (Rs.):90.00

(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.V.Siva Reddy		EEE	Prototype Hybrid Power System (Solar, wind, Battery and Fuel Cell with smart Cell	DST-FIST(Fund for improvement of S & T Infrastructure	5 years	10.65
						Amount received (Rs.):10.65

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 100.65

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

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

(CAYm1)

(CAYm2)

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 M.Harshavardhan Reddy		EEE	Modling and acquiring results using D space Kit	Sri.C.Ganesh & S.Sarada	7 Days	0.22
Dr G Sreenivasa Reddy		EEE	Transformer oil testing	Transformer oil testing	1	0.05
						Amount received (Rs.):0.27

(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
Dr G Sreenivasa Reddy		EEE	Transformer oil testing	M/s Kanthi Brothers Pvt.Ltd	1	0.05
						Amount received (Rs.):0.05

Total amount (Lacs) received for the past 3 years: 0.32

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
Dr G Satheesh,Dr.G.Sreenivasa Reddy	Installation and Commissioning of IOT-Based Smart Grid for campus Monitoring GPREC	24	7.50	7.50	The project will be served as a baseline for a Final Year B.Tech projects
			Amount received (Rs.): 7.50		

(CAYm2)

(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
Mr.S.Anil Kumar, Dr G V Subba Reddy	Performance Improvement of Transmission Line through Compensation Technique - A Practical Approach	24	1.85	1.07	The procured equipment will significantly enhance students learning by providing hands-on experience in the power systems laboratory.
			Amount received (Rs.): 1.85		

Total amount (Lacs) received for the past 3 years : 9.35

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 Laboratory	3	1.AC-DC rectifier 2. Rheostats 3. Function generators 4. Digital CROs 5. Variacs 6. Regulated power supplies 7. LCR Meter 8. Multimeter	30 Hours	A Ramesh	Technician	B.Tech
2	Electrical Measurements Laboratory	3	1.Single-Phase Energy Meter 2. DC and AC bridges 3. Phantom load test Kit 4. Regulated power supplies 5. Induction load 6. CROs 7. Autotransformer	12 Hours	M Sreenivasulu	Technician	ITI
3	Control Systems Laboratory	3	1.Stepper Motor 2. Characteristics of Synchros 3. DC Servo Motor 4. AC Servo Motor 5. Analog Power Supply 6. Digital Power Supply 7. Load box	24 Hours	E. Sudhakar	Technician	DEE
4	Electrical Machines Laboratory	3	1.100A Rectifier, AC and DC distribution Panel 2. DC Compound Generator 3. DC shunt and series motor 4. Loading Rheostat 5. DC Control	24 Hours	T Sreenivasulu	Technician	DEE
5	Power Electronics Laboratory	3	1.30 kVA servo stabilizer 2. Thyristor modules 3. AC voltage controller 4. Dual converter 5. PWM Inverter 6. Digital Inverter 7. Cyclic Converter	8 Hours	M Sreenivasulu	Technician	ITI
6	Power Systems Laboratory	3	1.220 kV, Long Transmission line simulator 2. Liquid oil test kit 3. Alternator and motor set 4. IGBT inverter 5. Digital IGBT Bridge 6. IGBT module	8 Hours	T Sreenivasulu	Technician	DEE
7	Microcontrollers Laboratory	3	1.10 kVA UPS 2. MSP430G2553 with interface kits, 3. Beagle boards 4. Arduino Boards 5. Development of Microcontroller 6. ZigBee modules 7. Raspberry Pi	20 Hours	K Anumantha Rao	Technician	DCHM
8	Hybrid Power Systems Laboratory	3	1.100W Wind mill consists of 100W PMSG, FRP Blades 6 numbers with Hub 2. Irradiance meter 3. Solar inverter 4. Solar system (GMA) 5. Battery	8 Hours	M Sreenivasulu	Technician	ITI
9	Electrical Technology Laboratory	3	1.1-phase transformers 2. Regulated power supplies 3. DC rectifier 4. Energy meter 5. Rheostat 6. Induction load 7. DC Shunt	20 Hours	T Sreenivasulu	Technician	DEE
10	Computer Lab	1	1.Desktop computers 2. Software MATLAB Pspice, PSIM, eTAP NI LabVIEW, MiPower	30 Hours	K Anumantha Rao	Technician	DCHM

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
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1	Electrical Circuits Laboratory	1.Do's and Don'ts and Safety measures are explained to students and displayed in the laboratory. 2.Rubber insulating mats are provided at each work bench to ensure electrical safety 3.Earthing is provided for all power sockets, with proper identification, to ensure effective grounding and enhanced electrical safety. 4.Minature Circuit Breakers (MCBs) and fuses are installed at individual laboratory experiment tables to provide effective protection against overcurrent and short-circuit conditions, ensuring the safety of equipment and users. 5.All the necessary electrical conductors are insulated properly. 6.First-aid kits and fire extinguishers are readily available in the laboratories to ensure prompt response to emergencies and enhance the safety of students and faculty. 7.Students are instructed to wear appropriate footwear and laboratory aprons, and to keep their shirts properly tucked in while performing experiments to ensure safety and discipline in the laboratory.
2	Electrical Measurements Laboratory	1.Do's and Don'ts and Safety measures are explained to students and displayed in the laboratory. 2.Rubber insulating mats are provided at each work bench to ensure electrical safety 3.Earthing is provided for all power sockets, with proper identification, to ensure effective grounding and enhanced electrical safety. 4.Minature Circuit Breakers (MCBs) and fuses are installed at individual laboratory experiment tables to provide effective protection against overcurrent and short-circuit conditions, ensuring the safety of equipment and users 5.All the necessary electrical conductors are insulated properly. 6.First-aid kits and fire extinguishers are readily available in the laboratories to ensure prompt response to emergencies and enhance the safety of students and faculty. 7.Students are instructed to wear appropriate footwear and laboratory aprons, and to keep their shirts properly tucked in while performing experiments to ensure safety and discipline in the laboratory.
3	Control Systems Laboratory	1.Do's and Don'ts and Safety measures are explained to students and displayed in the laboratory. 2.Rubber insulating mats are provided at each work bench to ensure electrical safety 3.Earthing is provided for all power sockets, with proper identification, to ensure effective grounding and enhanced electrical safety. 4.Minature Circuit Breakers (MCBs) and fuses are installed at individual laboratory experiment tables to provide effective protection against overcurrent and short-circuit conditions, ensuring the safety of equipment and users 5.All the necessary electrical conductors are insulated properly. 6.First-aid kits and fire extinguishers are readily available in the laboratories to ensure prompt response to emergencies and enhance the safety of students and faculty. 7.Students are instructed to wear appropriate footwear and laboratory aprons, and to keep their shirts properly tucked in while performing experiments to ensure safety and discipline in the laboratory.
4	Electrical Machines Laboratory	1.Do's and Don'ts and Safety measures are explained to students and displayed in the laboratory. 2.Rubber insulating mats are provided at each work bench to ensure electrical safety 3.Earthing is provided for all power sockets, with proper identification, to ensure effective grounding and enhanced electrical safety. 4.Minature Circuit Breakers (MCBs) and fuses are installed at individual laboratory experiment tables to provide effective protection against overcurrent and short-circuit conditions, ensuring the safety of equipment and users 5.All the necessary electrical conductors are insulated properly. 6.First-aid kits and fire extinguishers are readily available in the laboratories to ensure prompt response to emergencies and enhance the safety of students and faculty. 7.Students are instructed to wear appropriate footwear and laboratory aprons, and to keep their shirts properly tucked in while performing experiments to ensure safety and discipline in the laboratory 8.Double earthing with proper identification is maintained at every Machine 9.Safe distance should be maintained from all moving machine parts like shafts, belts, and couplings.
5	Power Electronics Laboratory	1.Do's and Don'ts and Safety measures are explained to students and displayed in the laboratory. 2.Rubber insulating mats are provided at each work bench to ensure electrical safety 3.Earthing is provided for all power sockets, with proper identification, to ensure effective grounding and enhanced electrical safety. 4.Minature Circuit Breakers (MCBs) and fuses are installed at individual laboratory experiment tables to provide effective protection against overcurrent and short-circuit conditions, ensuring the safety of equipment and users 5.All the necessary electrical conductors are insulated properly. 6.First-aid kits and fire extinguishers are readily available in the laboratories to ensure prompt response to emergencies and enhance the safety of students and faculty. 7.Students are instructed to wear appropriate footwear and laboratory aprons, and to keep their shirts properly tucked in while performing experiments to ensure safety and discipline in the laboratory.
6	Power Systems Laboratory	1.Do's and Don'ts and Safety measures are explained to students and displayed in the laboratory. 2.Rubber insulating mats are provided at each work bench to ensure electrical safety 3.Earthing is provided for all power sockets, with proper identification, to ensure effective grounding and enhanced electrical safety. 4.Minature Circuit Breakers (MCBs) and fuses are installed at individual laboratory experiment tables to provide effective protection against overcurrent and short-circuit conditions, ensuring the safety of equipment and users 5.All the necessary electrical conductors are insulated properly. 6.First-aid kits and fire extinguishers are readily available in the laboratories to ensure prompt response to emergencies and enhance the safety of students and faculty. 7.Students are instructed to wear appropriate footwear and laboratory aprons, and to keep their shirts properly tucked in while performing experiments to ensure safety and discipline in the laboratory.

7	Microcontrollers Laboratory	1.Do's and Don'ts and Safety measures are explained to students and displayed in the laboratory. 2.Miniature Circuit Breakers (MCBs) and fuses are installed at individual laboratory experiment tables to provide effective protection against overcurrent and short-circuit conditions, ensuring the safety of equipment and users 3.First-aid kits and fire extinguishers are readily available in the laboratories to ensure prompt response to emergencies and enhance the safety of students and faculty. 4.Students are instructed to wear appropriate footwear and laboratory aprons, and to keep their shirts properly tucked in while performing experiments to ensure safety and discipline in the laboratory 5.All desktop computers are equipped with UPS backup facilities to ensure uninterrupted operation and protect the systems against power fluctuations and interruptions. 6.Earthing is provided for the laboratory.
8	Hybrid Power Systems Laboratory	1.Do's and Don'ts and Safety measures are explained to students and displayed in the laboratory. 2.Rubber insulating mats are provided at each work bench to ensure electrical safety 3.Earthing is provided for all power sockets, with proper identification, to ensure effective grounding and enhanced electrical safety. 4.Miniature Circuit Breakers (MCBs) and fuses are installed at individual laboratory experiment tables to provide effective protection against overcurrent and short-circuit conditions, ensuring the safety of equipment and users 5.All the necessary electrical conductors are insulated properly. 6.First-aid kits and fire extinguishers are readily available in the laboratories to ensure prompt response to emergencies and enhance the safety of students and faculty. 7.Students are instructed to wear appropriate footwear and laboratory aprons, and to keep their shirts properly tucked in while performing experiments to ensure safety and discipline in the laboratory
9	Electrical Technology Laboratory	1.Do's and Don'ts and Safety measures are explained to students and displayed in the laboratory. 2.Rubber insulating mats are provided at each work bench to ensure electrical safety 3.Earthing is provided for all power sockets, with proper identification, to ensure effective grounding and enhanced electrical safety. 4.Miniature Circuit Breakers (MCBs) and fuses are installed at individual laboratory experiment tables to provide effective protection against overcurrent and short-circuit conditions, ensuring the safety of equipment and users 5.All the necessary electrical conductors are insulated properly. 6.First-aid kits and fire extinguishers are readily available in the laboratories to ensure prompt response to emergencies and enhance the safety of students and faculty. 7.Students are instructed to wear appropriate footwear and laboratory aprons, and to keep their shirts properly tucked in while performing experiments to ensure safety and discipline in the laboratory
10	Computer Lab 1 and 3	1.Do's and Don'ts and Safety measures are explained to students and displayed in the laboratory. 2.Miniature Circuit Breakers (MCBs) and fuses are installed at individual laboratory experiment tables to provide effective protection against overcurrent and short-circuit conditions, ensuring the safety of equipment and users 3.First-aid kits and fire extinguishers are readily available in the laboratories to ensure prompt response to emergencies and enhance the safety of students and faculty. 4.Students are instructed to wear appropriate footwear and laboratory aprons, and to keep their shirts properly tucked in while performing experiments to ensure safety and discipline in the laboratory. 5.All desktop computers are equipped with UPS backup facilities to ensure uninterrupted operation and protect the systems against power fluctuations and interruptions 6.Earthing is provided for the laboratory.

D3. Project Laboratory/Research Laboratory

Table No. 7.5.1: List of project laboratory/research laboratory /Centre of Excellence.

S.No	Name of the Laboratory
1	Project Laboratory -Robotics Laboratory, VR/AR System
2	Research Laboratory -Drives and static control Laboratory, computer Center with MATLAB software, eTAP software.
3	Centre of Excellence – NI LabVIEW Academy, Intel Unnathi Lab, ZAS Robotics

Project Laboratory

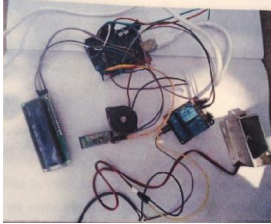
The Department is well-equipped with state-of-the-art project laboratories and infrastructure across all thrust areas, enabling students to gain wide exposure and hands-on training with sophisticated equipment during their projects. An additional dedicated laboratory space is provided for students to pursue electronics as a hobby and to undertake mini and final-year projects. The laboratories are furnished with well-designed workbenches and adequate power supply facilities. Furthermore, the Project Laboratory is equipped with modern hardware platforms and embedded system tools to support learning, experimentation, and research in robotics, embedded systems, and IoT applications.

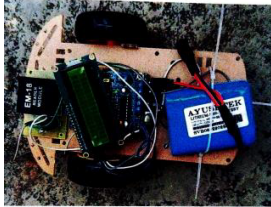
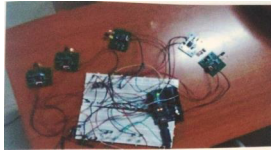
Facilities in project lab

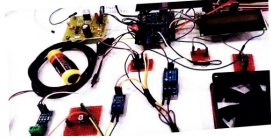
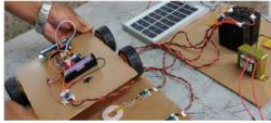
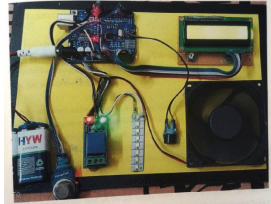
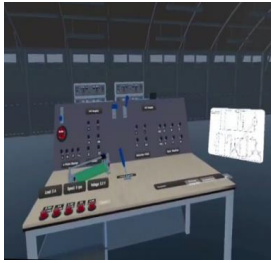
Sl.No.	Name of the Equipment	Manufacturer	No. of Units
1	Fire Bird V 2560	NEX Robotics Pvt Ltd	4
2	Spark V Robot	NEX Robotics Pvt Ltd	5
3	Fire Bird VP89V51RD2	NEX Robotics Pvt Ltd	3
4	Fire Bird VLPC2148	NEX Robotics Pvt Ltd	5
5	Zigbee Modules 100m range	NEX Robotics Pvt Ltd	10
6	Zigbee Modules Adopter	NEX Robotics Pvt Ltd	5
7	Metal Gear Servo Motors	NEX Robotics Pvt Ltd	10
8	Servo Motor Based Gripper kit for Fire Bird V Robot	NEX Robotics Pvt Ltd	2
9	Sharp GP2Y0A21YK Infrared Sensor	NEX Robotics Pvt Ltd	10
10	Samsung Galaxy Tab-A	Samsung	3
11	Intel Core2 duo , 8GB ROM, HP system	HP	1

12	Arduino UNO, ESP 32, STM 32, Programmer, Inductive Proximity Sensor, Arduino Nano, Pro Mini, Sensor Shield, TMS 320 D Module, RFID Card Reader, Cable, GPS NEO 6M, Micro USB Cable, Raspberry Pi	VN Technologies	
13	Intel I5-12400 Processor, 16GB Lenovo System	Lenova	10
14	VR/AR System		1

Some of the projects done by utilizing this laboratory are shown below

S. No	Title of The Project	Name of The Guide	Roll No	Name of The Student	Project Images	Pos/PSOs
1	Finger Print Based Door Unlock System Using Bluetooth Model	Dr. Y.V. Siva Reddy	219X1A0227	MadugunduVyshnavi		PO1, PO2, PO3, PO4, PO5, PO8, PO11, PSO3
			219X1A0284	MatamManikanta		
			229X5A02E8	Pilli Madhukiran		
2	Smart Car Parking System Using Arduino	Dr. V. Anantha Lakshmi	219X1A0232	Moola Akhila		PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO11, PSO3
			219X1A02A9	Surapu reddy Naga Malleswar Reddy		
			219X1A0239	Panyam Sunanda		
			219X1A0276	Kondigari Surya		

3	Design And Development Of Smart Library	Dr. G. Kishor	219X1A0206	BolluYagnaSudha Mani		PO1, PO2, PO3, PO4, PO5, PO8, PO11, PSO3
			219X1A02B9	BandiDeepika		
			219X1A0289	NandyalaBharathNarasimha		
			209X1A0283	NagariSaiTeja		
			219X1A0208	BurugulaShirisha		
			219X1A0243	PullaguraSathvika		
			219X1A0283	Mange Sreecharan		
4	Iot Based Home Automation	Dr. N. Ravishankarreddy	219x1a0274	KanthareddySaiDurgeswar Reddy		PO1, PO2, PO3, PO4, PO5, PO8, PO11, PSO3
			219X1A0224	KottamManisha		
			219X1A0236	P SaiHarini		
			229X5A02F2	UppalaDiwakar		
5	Iot Based Smart Irrigation System	Dr. C. Harinatha Reddy	219X1A02C1	ShaikSaniya		PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO11, PSO3
			219X1A0233	NannayabhattuSaiSravani		
			219X1A02B7	Yamparla Praveen		
			219X1A0290	NulipogulaBharath		
6	Automatic Street Lighting System	Dr. G. Sreenivasa Reddy	219X1A0215	Eragam Reddy Mahitha		PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO11, PSO3
			219X1A0255	BaisaniNarasimha Ramesh Kumar		
			219X1A0288	NalasinguMadhan		
			219X1A02C2	DevarapuHarika		

7	Safety Protection For Ev Batteries	Sri. B. Amarnath Naidu	229X5A02E1	NagamallaSreeSuchitha		PO1, PO2, PO3, PO4, PO5, PO8, PO11, PSO3
			229X5A02E5	NaganandiVenkata Ganesh		
			219X1A0265	ChitikelaRaghavendra		
			219X1A0252	AjjamPavan Kumar		
8	Dynamic Wireless Charging On road For Electric Vehicles	Sri. S. MasumBasha	229X5A02E7	PasupuletiVeeraPradeep		PO1, PO2, PO3, PO4, PO5, PO8, PO11, PSO3
			219X1A0296	RajaputraYogeswar Singh		
			219X1A0272	H Vignan		
			219X1A0221	KeelapatlaVasanthi		
9	Gas Leak Alerting System Using Arduino Uno	Sri. AnjaneyaVara Prasad	229X5A02F0	ShaikGafoor		PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO11, PSO3
			219X1A0287	Nalamalapu Bhashwanth Reddy		
			219X1A02A3	Shaik Mohammed Adil		
			219X1A0235	NugguGangothri		
			219X1A02A6	SoudagarWaez Pasha		
10	VR/AR for Electrical Machines: An Interactive Virtual Reality Module for Alternator Load Testing	Mrs.B.Rajeswari	229X1A0297	Sai Krisna		PO1, PO2, PO3, PO4, PO5, PO8, PO11; PSO3
			239X5A02D3	Padmashali Gnanendra		
			229X1A0243	Jithendra		
			229X1A02B0	Sudheer Kumar		

Some of the publications done by utilizing this laboratory are shown below

S.No	No	Name of the Faculty	Paper title	Journal /Conference Name	Published year	POs/PSOs

1	Y.V. Siva Reddy, Bramhanadna Reddy Teegala, Pradeep Kumar Yadav Allagadda, Harinatha Reddy Chennam, N. Ravi Sankara Reddy	Digital Immersion Based Prototype Model Of Radial Engine	International Conference on Internet of Things: Smart Innovation and Usages (IoT- SIU) EEE DOI: 10.1109/IOT- SIU65919.2025.11402680	2025	PO1, PO3, PO5, PO8, PSO3
2	Harinath Reddy Chennam, Bramhananda Reddy Teegala, Pradeep Kumar Yadav Allagadda, Siva Reddy, Y.V,Ravi Sankar Reddy Netapally	Digital Simulation based Demonstration of Induction Machine	International Conference on Internet of Things: Smart Innovation and Usages (IoT- SIU) EEE DOI: 10.1109/IOT- SIU65919.2025.11402680	2025	PO1, PO3, PO5, PO8, PSO3
3	Harinatha Reddy Chennam, G. Raghu Ram, Anantha Lakshmi. V, Pradeep Kumar Yadav Allagadda, Bramhananda Reddy Teegala, Siva Reddy. Y.V	Implementation of Virtual Reality Based Home Automation System	IEEE Region 10 Conference TENCON 2025	2025	PO1, PO3, PO5, PO8, PSO3

Research laboratory

The Research Laboratory in the Department of Electrical and Electronics Engineering was established under the scheme to modernize and remove obsolescence in laboratories, workshops, and computing facilities, with the objective of enhancing the functional efficiency of technical institutions for teaching, training, and experimentation. Modernization of Electrical Drives Laboratory is to enhance experimental and research facilities in advanced motor control and power conversion systems.

The Research Laboratory provides advanced facilities such as

S.No	Classification	Name of the Equipment
1	Power Modules	IGBT module
2		DC link Converter Modules
3		Dual Inverter configuration
4		Cascaded multilevel inverter
5	Control boards	D-Space Control Board
6		FPGA control Boards
7		TMS 28335 Control Boards

8	Motors	Open end winding Induction motor
9		Slip ring and squirrel Induction motor
10		BLDC motor, Five phase induction motor
11	Sensors	Current and Voltage sensor Modules
12	Driver Circuits	IGBT and MOSFET Driver Circuits
13	Oscilloscopes	Tektronix TBS 1104 Digital storage oscilloscopes

These facilities support experimental studies, design, implementation, testing and validation of results in areas like electric drives, power electronics and control systems, thereby enhancing research quality, publications and strengthening the institute's academic and research excellence. The laboratory has significantly contributed to research output, wherein faculty and research scholars have published technical papers in reputed national and international journals and conferences. The facility supports, and testing of innovative solutions, thereby enhancing research quality, promoting scholarly publications, and strengthening the institute's academic and research excellence.

S.No	Name of the Faculty	Paper title	Journal /Conference Name	Published year	POs/PSOs
1	M Harshavardhan Reddy, K Sri Gowri, G Kishor, T Bramhananda Reddy	Digital Space Vector Approach to Eliminate Overcharging of DC-link Capacitor in Asymmetrical VSI Fed Open End Winding Induction Motor Drive	Advances in Electrical & Electronic Engineering, 2024, Vol 22, Issue 3, p202, DOI: 10.15598/aeer.v22i3.5259	2024	PO1, PO2, PO3, PO4, PO5, PO8, PO11; PSO2

Some of the projects done by utilizing this Research Laboratory are shown below

S. No	Title of The Project	Name of The Guide	Name and Roll No of the Student	Project Images	POs/PSOs
1	High Voltage DC Link Ripple Analysis of A PWM Inverter FED AC Drive Based Electric Vehicle	Dr. T. Bramhananda Reddy	Masuladari Naga Chandana 209X1A02B7	MATLAB Simulink Model	PO1, PO2, PO3, PO4, PO5, PO8, PO11; PSO2,
			Gorantla Vighneshwar 209X1A0246		
			Bukke Harika 219X5A02D4		
			Addakula Uday Kiran 209X1A0219		

2	Performance Analysis of Multi level Inverter fed Induction Motor Drive	Dr. M. Harsha vardhan Reddy	Shaik Mohammed Shareefuddin 219X5A02D8	MATLAB Simulink Model	PO1, PO2, PO3, PO4, PO5, PO8, PO11; PSO2,
			Valmiki Vishalakshi 209X1A02C5		
			Katireddy Lavanya 209X1A02C8		
			Momin Mohammed Shahid 199X1A0254		
3	Analysis of DC-DC converters	Dr. M. Harsha vardhan Reddy	Gangarapu Deepika Lakshmi 229X5A02C6	MATLAB Simulink Model	PO1, PO2, PO3, PO4, PO5, PO8, PO11; PSO2
			Gutam Venkata Sushma 229X5A02C7		
			Mehdi Afifa Khatoun 219X1A0231		
			Gajula Pradeep Kumar 229X5A02D1		

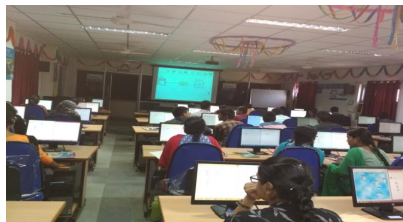
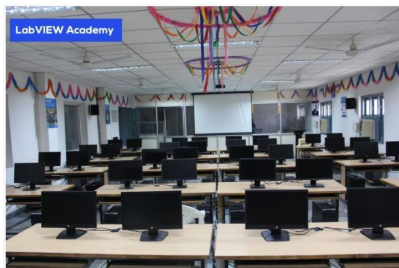
Centre of Excellence –

1. NI LabVIEW Lab: LabVIEW is a graphical development environment for creating flexible and scalable design, control, and test applications rapidly and at minimal cost. With LabVIEW, engineers and scientists interface with real-world signals; analyze data for meaningful information; and share results through intuitive displays, reports, and the Web.

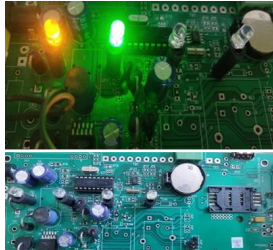
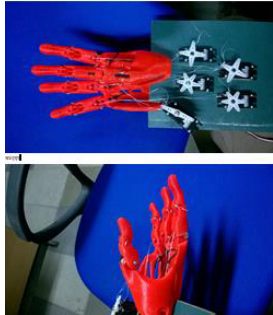
NI LabVIEW Lab is equipped with

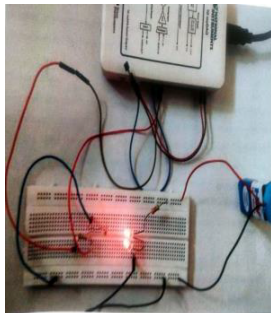
- Systems installed with NI LabVIEW software
- NI Data Acquisition (DAQ) Modules
- NI myRIO Embedded Devices

In every academic year training programs will be conducted to students. This helps the students in their placements and carrier enhancement.



Some of the projects done by utilizing this NI LabVIEW laboratory are shown below

S. No	Title of The Project	Name of The Guide	Name and Roll No of the Student	Project Images	POs/ PSOs
1	e- Notice Board	Dr. Abid Nayeemuddin	Lagisetty Sai Likitha Gaddam Kishor VaddiTejeswar Reddy Medam Sainath		PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO11, PSO3
2	Automatic Siren System for Educational Institutions	Dr. Abid Nayeemuddin	S.Chandra Sekhar M.PoojyaYashashwini A.Anjali S.Eyas Ali		PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO10, PSO3
3	Voice Controlled Wheelchair	Dr. Abid Nayeemuddin	A.Sri Harshitha M.U.Srikanth G.Suresh D.Dinesh		PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO11, PSO3
4	Design of Myoelectric Controlled Prosthetic Arm using NI myRIO	Dr. Abid Nayeemuddin	A.Gangadhar Reddy K.Badrinath		PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO11, PSO3

5	Temperature and Heart rate and monitoring system using LABVIEW	Dr.K.Sri Gowri	A.Chandini M.Jahnavi B.Mahesh P.Deeksith		PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO11, PSO3
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2. The Intel Unnati laboratory: The Intel Unnati Data Centric laboratory at G. Pulla Reddy Engineering College (Autonomous), Kurnool, was established in collaboration with EdGate Technologies Pvt. Ltd. with the objective of creating a state-of-the-art Artificial Intelligence and High-Performance Computing (HPC) ecosystem for students and faculty. The center is designed to bridge the gap between academia and industry by providing advanced infrastructure, industry-aligned training, research opportunities, and hands-on experience in emerging technologies such as Artificial Intelligence, Machine Learning, Deep Learning, Generative AI, Data Science, and High-Performance Computing.



Some of the photographs during the Five-Day Faculty Development Programme

Some of the events done by utilizing this Intel Unnati laboratory are shown below

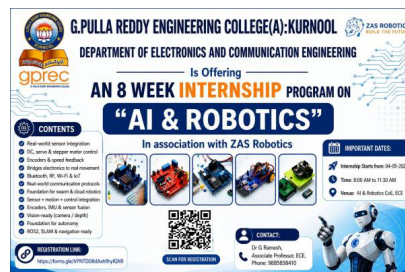
S. No	Name of the event	Resource Person	POs/ PSOs
1	Five-Day Faculty Development Programme on Applied Machine Learning and Deep Learning using Intel Unnati Ecosystem	Mr. Suhaas D, Artificial Intelligence Engineer, EdGate Technologies Pvt. Ltd., Bangalore	PO1, PO2, PO3, PO4, PO5,
2	AI for Medical Intelligence Internship	EdGate Technologies Pvt. Ltd.	PO1, PO2, PO3, PO4, PO5, PO8,
3	Python Full Stack Development Internship for students	Dr. A. Vishnuvardhan Reddy, Associate Professor and and Industry partners	PO1, PO2, PO3, PO5, PO8



Sample photographs of certificates given to the participants

3. The ZAS Robotics Laboratory: The ZAS Robotics private Ltd (India), Bengaluru Signed an Memorandum of understanding (MoU) with G. Pulla Reddy Engineering College (Autonomous), Kurnool on 16th September 2025 with the objectives

- Ø To establish a fully equipped center of excellence in Robotics and AI.
- Ø To provide skill development programs, workshops and certifications for faculty and students.
- Ø To promote joint research and innovation projects in robotics, automation and AI applications
- Ø To create industry-academia partnership model for knowledge transfer and innovation.



S. No	Name of the event	Resource Person	POs/ PSOs
1	An 8 week Internship program on AI & ROBOTICS	Dr. G Ramesh Associate Professor Dept of ECE, GPREC.	PO1, PO2, PO3, PO4, PO5, PO6, PO8, PSO3

4. Innovation and Incubation Center: This center nurtures student startups, entrepreneurial ventures, and faculty-led innovations. It provides mentoring, infrastructure and seed funding support to convert innovative ideas into commercially viable products and solutions, promoting a startup culture at GPREC.



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
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2023-24(CAYm2)	1080	54	35	87	84
2024-25(CAYm1)	1140	57	41	108	95
2025-26(CAY)	1140	57	39	113	94

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	63600000	74568000	43110000	84617060	9100000	80080000	64240000	133614000
Library	4315000	4696000	3816000	2472000	3816000	1714000	4177000	3203000
Laboratory equipment	9023000	20454000	33841000	25372000	33488000	19678000	9416000	17981000
Teaching and non-teaching staff salary	343000000	307484000	302800000	317159000	260000000	255636000	236000000	222579000
Outreach Programs	210000	205650	200000	190800	180000	178500	160000	155000
R&D	11250000	6556000	7330000	4799000	5753000	3872000	2900000	2818000
Training, Placement and Industry linkage	1335000	828000	1382000	547000	570000	525000	4410000	5362000
SDGs	170000	165000	150000	150000	80000	78000	50000	50000
Entrepreneurship	450000	193946	2280000	1920210	350000	100794	350000	164954
Others, specify	56347000	41996404	71291000	43549930	46963000	36914706	36714000	86020046
Total	489700000	457147000	466200000	480777000	360300000	398777000	358417000	471947000

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	1723500	1680612	1430315	1013387	3943000	3301733	1672600	1374177
Software	500000	474424.5	460000	448695	0	0	0	0
SDGs	0	0	0	0	0	0	0	0

Support for faculty development	 	209825	209825	211400	211400	200366	200366	91692	91692
R & D		0	0	0	0	0	0	0	0
Industrial Training, Industry expert, Internship	 	0	0	0	0	0	0	0	0
Miscellaneous Expenses*		676400	631742	582000	477883	400000	225291	441000	330994
Total		3109725	2996603.5	2683715	2151365	4543366	3727390	2205292	1796863