

NATIONAL BOARD OF ACCREDITATION

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

PART-A: Profile of the Institute

Name of the Program Applied for: Electronics and Communication Engineering

A1: Name of the Institute:-USHA RAMA COLLEGE OF ENGINEERING AND TECHNOLOGY

Year of Establishment: **2008**

Location of the Institute: Telaprolu,
Krishna District 521109, Andhra Pradesh

A2: Institute Address:-

City: Telaprolu

State : Andhra Pradesh

PinCode: 521109

Website: <https://usharama.edu.in/>

E-mail: principal@usharama

Phone No (with STD Code): 9177712255

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

Name of the University: Jawaharlal Nehru Technological
University Kakinada

City: Kakinada

State: Andhra Pradesh

Pin Code: 533003

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: 07
- ❖ No. of PG programs: 05

TableNo.A6.1: List of all programs offered by the Institute.

S.N.	Level of program (UG/PG)	Name of the program	Year of Start	Year of close*	Name of the Department
1	UG	B.Tech EEE	2008		EEE
2	UG	B.Tech ME	2010		ME
3	UG	B.Tech ECE	2008		ECE
4	UG	B.Tech CSE	2008		CSE
5	UG	B.Tech Information Technology	2008		Information Technology
6	UG	B.Tech Artificial Intelligence& Data Science	2021		Artificial Intelligence& Data Science
7	UG	B.Tech Artificial Intelligence & Machine Learning	2021		Artificial Intelligence & Machine Learning
8	PG	M.Tech VLSI And Embedded Systems	2012		ECE
9	PG	M.Tech Computer Science & Engg.	2013		CSE
10	PG	M.Tech Robotics and Artificial Intelligence	2021		ME
11	PG	M.Tech Cyber Security	2021		CSE
12	PG	M.Tech CSE (Artificial Intelligence & Machine Learning)	2021		CSE

A7: Programs to be considered for Accreditation vide this Application:**TableNo.A7.1:** List of programs to be considered for accreditation.

Cluster ID.	Name of the Department	Name of the Program
1.	Electronics and Communication Engg	B.Tech Electronics and Communication Engg
2	Computer Science and Engineering	B.Tech Computer Science and Engineering
3	Electrical & Electronics Engineering	B.Tech Electrical & Electronics Engineering
4	Mechanical Engineering	B.Tech Mechanical Engineering

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:-

TableNo.B1: Program details.

S. N.	Program Name	Year of start	Sanctioned Intake	Increase/decrease in intake, if any	Year of increase/decrease	AICTE Approval Details	Accreditation Status*	No.of times program accredited
1.	B.Tech ECE	2008	60	180	2014	F.No. South-Central/1-20133305 20/2014/EOA	Applying first time	----

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

A. Name of the HoD: Dr.B.Nancharaiah

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

- ❖ Regular ☒
- ❖ Contract ☐
- ❖ Adhoc ☐

C. Qualification:(Tick the applicable choice)

- ❖ Ph.D. ☒
- ❖ ME/M.Tech ☐
- ❖ Anyother* ☐

***Please provide details:** _____

B3: Program Details**TableNo.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)	CAY 2024-25	CAYm1 2023-24	CAYm2 2022-23	CAYm3 2021-22	CAYm4 (LYG) 2020-21	CAYm5 (LYGm1) 2019-20	CAYm6 (LYGm2) 2018-19
N=Sanctioned intake of the program(as per AICTE /Competent authority)	180	180	180	180	180	180	180
N1=Total no. of students admitted in the 1 st year minus the no. of students, who migrated to other programs/institutions plus no. of students, who migrated To this program	170	173	171	142	145	165	162
N2= Number of students admitted in 2 nd year in the same batch via lateral entry including leftover seats	----	21	21	28	35	27	35
N3=Separate division if any	0	0	0	0	0	0	0
N4= Total no. of students admitted in the 1 st year via all supernumerary quotas	15	15	17	14	8	8	0
Total number of students admitted in the program(N1+N2+N3+N4)-excluding those admitted through multiple entry and exit points.	185	209	209	184	188	200	197

CAY=Current Academic Year.

CAYm1= Current Academic Year Minus 1

CAYm2=CurrentAcademicYearMinus2.

LYG= Last Year Graduate.

LYGm1=LastYearGraduateMinus1.

LYGm2=Last year GraduateMinus2.

B4: Enrolment Ratio in the First Year**TableNo.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))	CAY 2024-25	CAYm1 2023-24	CAYm2 2022-23
N=Sanctioned intake of the program in the 1 st year(as per AICTE / Competent authority)	180	180	180
N1=Total no. of students admitted in the 1 st year minus the no. of students, who migrated to other programs/institutions plus no. of students, who migrated to this program	170	173	171
N4=Total no. of students admitted in the 1 st year via all supernumerary quotas	15	15	17
Enrolment Ratio(ER)=(N1+N4)/N	ER_1:10 2.7	ER_2: 104.4	ER_3: 104.4
Average ER=(ER_1+ER_2+ER_3)/3	103.8		

B5: Success Rate of the Students in the Stipulated Period of the Program**TableNo.B5.1:** The success rate in the stipulated period of a program.

Item	LYG 2020-21	LYGm1 20 19-20	LYGm2 2018-19
A*= (No. of students admitted in the 1 st year of that batch and those actually admitted in the 2 nd 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).	188	200	197
B=No. of students who graduated from the program in the stipulated course duration	176	186	180
Success Rate(SR)=(B/A)*100	SR_1: 93.61	SR_2: 93.00	SR_3:91. 30
Average SR of three batches((SR_1+SR_2+SR_3)/3)	92.63		

Note *: If the value of A in Table No. B5.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of A in Table No.B5.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No.B3.1.

B6: Academic Performance of the First-Year Students of the Program**TableNo.B6.1:** Academic Performance of the First-Year Students of the Program.

Academic Performance	CAYm1 2023-24	CAYm2 2022-23	CAYm3 2021-22
X= (Mean of 1 st 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 1 st year/10)	8.67	8.56	8.42
Y=Total no. of successful students	184	184	151
Z=Total no. of students appeared in the examination	188	188	156
API=X*(Y/Z)	API_1: 8.48	API_2: 8.37	API_3: 8.15
Average API=(API_1+API_2+API_3)/3	8.33		

B7: Academic Performance of the Second Year Students of the Program**TableNo.B7.1:** Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 2023-24	CAYm2 2022-23	CAYm3 2021-22
X= (Mean of 2 nd 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 2 nd year/10)	8.60	8.57	8.41
Y=Total no. of successful students	205	179	185
Z=Total no. of students appeared in the examination	209	184	188
API=X*(Y/Z)	API_1: 8.43	API_2: 8.33	API_3: 8.27
Average API=(API_1+API_2+API_3)/3	8.34		

B8: Academic Performance of the Third Year Students of the Program**TableNo.B8.1:** Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 2023-24	CAYm2 2022-23	CAYm3 2021-22
X= (Mean of 3 rd 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 3 rd year/10)	8.46	8.32	8.27
Y=Total no. of successful students	176	183	190
Z=Total no. of students appeared in the examination	180	187	195
API=X*(Y/Z)	AP_1: 8.27	AP_2: 8.14	AP_3: 8.05
Average API=(API_1+API_2+API_3)/3	8.15		

B9: Placement, Higher Studies, and Entrepreneurship**TableNo.B9.1:** Placement, higher studies, and entrepreneurship details.

Item	LYG 2020-21	LYGm1 20 19-20	LYGm2 2018-19
FS*=Total no. of final year students	176	186	180
X=No. of students placed	132	151	146
Y=No. of students admitted to higher studies	12	16	12
Z=No. of students taking up entrepreneurship	10	8	10
X+ Y+ Z =	154	175	168
Placement Index(P) =(((X+Y+Z)/FS)*100)	P_1: 87.5	P_2: 94.0	P_3: 93.3
Average placement index=(P_1+P_2+ P_3)/3	91.6		

Note *: If the value of FS in Table No. B9.1 is less than the sum of the sanctioned intake (N) and the lateral entry including left over seats(N2), then the value of FS in Table No. B9.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No. B3.1.

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.N.	Name of the Faculty	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)	If contractual mention Fulltime or(Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (Incase Currently Associated is "No")
1	Dr. Nancharaiah Battula	Ph.D.	JNTUH	Wireless Communication & Networks	01/06/2018	6.7	Professor	Professor	--	Regular	Full Time	Y	--
2	Dr. Santhi Rani Chava	Ph.D.	JNTUH	Wireless Comm	01/06/2018	6.7	Professor	Professor	--	Regular	Full Time	Y	--
3	Dr. Sadu Venkata Naresh	Ph.D.	Satyabhama University	VLSI	22/06/2021	3.7	Professor	Professor	--	Regular	Full Time	Y	--
4	Dr. Savadam Balaji	Ph.D.	KLU	Embedded Systems	21/07/2021	3.6	Professor	Professor	--	Regular	Full Time	Y	--
5	Dr. Suneel Kumar Asileti	Ph.D.	Andhra University	Microstrip Patch Antennas	16/08/2010	14.5	Asst. Professor	Assoc. Professor	21/12/2022	Regular	Full Time	Y	--
6	Dr. Baburao Kodavati	Ph.D.	JNTUK	Wireless Communication	01/04/2015	9.9	Asst. Professor	Assoc. Professor	15/09/2023	Regular	Full Time	Y	--

				on									
7	Dr. Krishnamoorthy Sooraj	Ph.D.	Annamalai University	VLSI	21/06/2021	3.7	Assoc. Professor	Assoc. Professor	--	Regular	Full Time	Y	--
8	Dr. Jeya Kumar	Ph.D.	Mamonmaniam Sundaranar University	Applied Electronics	23/06/2021	3.7	Assoc. Professor	Assoc. Professor	--	Regular	Full Time	Y	--
9	Dr. Samiappan Sivalingam	Ph.D.	SRM University	Wireless Sensor Networks	20/08/2021	3.5	Assoc. Professor	Assoc. Professor	--	Regular	Full Time	Y	--
10	Dr. Venkata Srikanth Mocherla	Ph.D.	JNTUK	Image Processing	25/07/2022	2.5	Asst. Professor	Assoc. Professor	03/09/2024	Regular	Full Time	Y	--
11	Dr. EluruNaga Venkata Purna Chandra Rao	Ph.D.	JNTUH	Image Processing	22/06/2023	1.7	Assoc. Professor	Assoc. Professor	--	Regular	Full Time	Y	--
12	Dr. Vasantha Swami Nathan S	Ph.D.	Annamalai University	VLSI	21/06/2023	1.7	Assoc. Professor	Assoc. Professor	--	Regular	Full Time	Y	--
13	Sai Siva Kalyan Jasthi	M.Tech	SRM Chennai	VLSI	25/09/2008	16.4	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
14	Ramakrishna Reddy Eamani	M.Tech	Anna University	VLSI	01/06/2010	14.7	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
15	Padmanabhaiah Gottipati	M.Tech	JNTUH	Digital Systems & Computer Electronics	05/04/2011	13.9	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
16	Koteswara Kishore	M.Tech	JNTUK	ES	03/06/	11.7	Asst.	Asst.	--	Regular	Full Time	Y	--

	Movva	h			2013		Professor	Professor					
17	Nitya Kanakamedala	M.Tech	JNTUK	VLSI & ES	31/12/2015	9	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
18	SarathRaja Atluri	M.Tech	JNTUK	VLSI&ES	01/11/2017	7.2	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
19	Suneel Kattuboyina	M.Tech	JNTUK	Telematics	04/06/2018	6.7	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
20	Uma Guguloth	M.Tech	NIT Roorkee	Electronic Systems &Comm	27/02/2018	6.1	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
21	Kota Sandeep	M.Tech	JNTUK	Systems & Signal Processing	12/07/2019	5.6	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
22	Sri Venkata Sai Kalyan Chakravarthy Kothapalli	M.Tech	Andhra University	Bio Medical Engg	23/10/2019	5.3	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
23	Rajesh Babu Govada	M.Tech	ANU	RA&MW	17/12/2019	5.1	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
24	BattuChandini	M.Tech	JNTUK	VLSI&ES	01/02/2020	4.11	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
25	Thota Srinivasarao	M.Tech	ANU	CSE	14/10/2020	4.9	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
26	Naga Ravi Kumar Kondaveeti	M.Tech	JNTUK	VLSI&ES	20/11/2020	4.2	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
27	Sravani Kapavarapu	M.Tech	JNTUK	VLSI&ES	20/11/2020	4.1	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
28	Venkanna Penumaka	M.Tech	JNTUK	E.S	01/04/2021	3.9	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
29	BasavaThirumalaBoppana	M.Tech	JNTUK	DE&CS	01/04/2021	3.9	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
30	Raja Kumari Katuri	M.Tech	Andhra University	MW& RS	02/08/2021	3.5	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
31	Bhaskar Karra	M.Tech	JNTUH	E. S	08/02/2021	3.5	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
32	Sreedhar Tandle	M.Tech	JNTUA	DE&CS	09/09/2021	3.4	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
33	SyamKumar Athota	M.Tech	JNTUK	DECS	28/09/2021	3.3	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--

34	Suresh Pothuraju	M.Tech	JNTUH	Communications	29/10/2021	3.2	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
35	Siva Padmavathi Donepudi	M.Tech	JNTUK	Systems & Signal Processing	15/12/2021	3.1	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
36	Tirupatamma Sonti	M.Tech	JNTUK	DE& CS	17/03/2022	2.1	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
37	Nagaiah Bandaru	M.Tech	JNTUK	E. S	19/06/2023	1.7	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
38	Shajahan Patan	M.Tech	JNTUK	DECS	19/06/2023	1.7	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
39	Suresh Tammuluri	M.Tech	JNTUK	VLSI	19/06/2023	1.7	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
40	Ratna Kishore Madasu	M.Tech	JNTUK	ECE	22/06/2023	1.7	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
41	Mahesh Vunnam	M.Tech	JNTUH	VLSI Design	12/06/2023	1.7	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
42	Shaik Laljohn Basha	M.Tech	JNTUK	E.S	21/06/2023	1.7	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
43	PedarajuKuraganti	M.Tech	ANU	VLSI & ES	21/06/2023	1.7	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
44	SaiNadh Kumar Boddupalli	M.Tech	JNTUK	VLSI&ES	03/10/2023	1.3	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
45	Nuthakki Ramesh Babu	M.Tech	JNTUK	E. S	21/06/2024	0.7	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
46	Thota SreeSylusha	M.Tech	JNTUK	VLSI&ES	13/06/2024	0.7	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
47	Loganya Ramalingam	M.Tech	Anna University	Applied Electronics	01/07/2024	0.6	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
48	Kodali Rajendra Prasad	M.Tech	JNTUK	VLSI	01/07/2024	0.6	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
49	Jijiya Bai Mediseti	M.Tech	JNTUK	VLSI System Design	11/07/2024	0.6	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	--
50	Uppalapati Aparna Devi	M.Tech	Andhra University	VLSI	02/08/2021	0.6	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	02/03/2022
51	Sreelakshmi Gutta	M.Tech	ANU	Communication & Signal Processing	05/07/2021	0.11	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	09/06/2022
52	Durga	M.Tech	JNTUH	E.S &VLSI	20/04/	0.3	Asst.	Asst.	--	Regular	Full Time	N	01/07/20

	Prasadjaravaela	h			2022		Professor	Professor					22
53	Sneha Latha Bhimireddy	M.Tech	JNTUK	VLSI&ES	18/11/2020	1.8	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	30/07/2022
54	Siva Charan Mathi	M.Tech	JNTUK	VLSI System Design	27/12/2021	1.1	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	31/10/2022
55	Srinivasarao Yandrapu	M.Tech	JNTUK	E. S	01/04/2021	1.7	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	30/11/2022
56	Sai Priyanka Naragan	M.Tech	JNTUH	VLSI System Design	15/02/2021	1.1	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	04/04/2023
57	Satish Babu Dandamudi	M.Tech	KL University	Communication & Radar systems	07/03/2022	1.1	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	06/05/2023
58	Sridhar Prattipati	M.Tech	JNTUK	DE&CS	16/12/2019	3.4	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	15/05/2023
59	Dr.M. Deepa	Ph.D.	Bharath University	ECE	04/06/2018	4.11	Professor	Professor	--	Regular	Full Time	N	29/05/2023
60	Daram Srikanth	M.Tech	JNTUK	Systems and Signal Processing	24/08/2022	0.9	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	31/05/2023
61	Dr V Ganesh Naga Sai Prasad	Ph.D.	VELS University	Image Processing	17/09/2021	1.8	Assoc. Professor	Assoc. Professor	--	Regular	Full Time	N	31/05/2023
62	Pabathula Madhava Rao	M.Tech	JNTUK	VLSI System Design	12/06/2017	6	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	12/06/2023
63	Surendra Loya	M.Tech	GITAM University	RF &MW ENGG	27/05/2016	7.2	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	28/07/2023
64	Ammana Rani Panchakarla	M.Tech	JNTUK	VLSI&ES	01/11/2017	6.5	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	30/04/2024
65	Dr. Mohammed Javeed Ahammed	Ph.D.	Sri Satya Sai University	ECE	01/06/2021	2.1	Assoc. Professor	Assoc. Professor	--	Regular	Full Time	N	30/04/2024

66	Suneetha Gatikanti	M.Tech	JNTUK	E. S	06/06/2014	9.11	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	04/05/2024
67	Arepalli Naga Suman	M.Tech	JNTUK	DE&CS	01/09/2022	1.8	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	18/05/2024
68	Ravi Muthamala	M.Tech	JNTUH	ECE	03/06/2019	5.1	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	02/07/2024
69	Ponnaiah Saravana Kumar	M.Tech	Anna University	VLSI	06/10/2022	1.11	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	05/09/2024
70	Sarala Lokireddy	M.Tech	JNTUK	ECE	01/11/2021	3.1	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	17/12/2024
71	Lakshmi Prasanna Ramiseti	M.Tech	JNTUK	VLSI&ES	01/02/2020	4.11	Asst. Professor	Asst. Professor	--	Regular	Full Time	N	30/03/2025
72	Raja Ramesh Vanga	M.Tech	JNTUH	E. S	13/03/2023	1.11	Asst. Professor	Asst. Professor	--	Regular	Full Time	Y	25/06/2025

C2: Student-Faculty Ratio(SFR)

UG₁=1stUG program

UG_n=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(PG_m):

PG₁=1stPGprogram.

➤ PG_m=mth PG program

▪ **A**=No.ofStudentsinPG1styear

▪ **B**=No.ofStudentsinPG2ndyear

❖ Student Faculty Ratio(**SFR**)=S/F

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

▪ **No.ofstudents(ST)**=SanctionedIntake(SA)+Actualadmittedstudentsvialateralentryincluding 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)).

TableNo.C2.1: Student-faculty ratio.

Year	CAY: 2024-25	CAYm1: 2023-24	CAYm2 :2022-23
UG1.B // 2 nd year students of UG1program	198	198	198
UG1.C // 3 rd year students of UG1program	198	198	198
UG1.D // 4 th year students of UG1program	198	198	198
UG1 //Total no. of students(2 nd ,3 rd ,4 th)in UG1 program	594	594	594
PG1.A // 1 st year students of PG1 program	12	12	12
PG1.B // 2 nd year students of PG1 program	12	12	12
PG1 //Total no. of students(1 st ,2 nd)in PG1 program	24	24	24
DS=Total no. of students in all UG and PG programs in the Department	618	618	618
S=Total no. of students in the Department (DS) and allied departments (AS)	S1=618	S2=618	S3=618
DF=Total no. of faculty members in the Department	51	52	47
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	F1: 51	F2: 52	F3: 47
FF=The faculty members in F who have a 100% teaching load in the first-year courses	FF1: 0	FF2: 0	FF3: 0
Student Faculty Ratio(SFR)=S/(F-FF)	SFR1=S1/(F1-FF1): 12.12	SFR2=S2/(F2-FF2): 11.88	SFR3=S3/(F3-FF3): 13.15
Average SFR for 3 years	Average SFR=(SFR1+SFR2+SFR3)/3: 12.38		

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 M.Ed 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).

TableNo.C3.1: Faculty qualification.

Year	X	Y	RF	FQI=2.5*[(10X+4Y)/RF]
CAY: 2024-25	11	40	32	21.09
CAYm1: 2023-24	11	41	32	21.40
CAYm: 2022-23	10	37	32	19.3

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.

TableNo.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 2024-25	4	4	7	7	21	40
CAYm1 2023-24	4	4	7	7	21	41
CAYm2 2022-23	4	4	7	6	21	37
Average Numbers	RF1= 4	AF1= 4	RF2= 7	AF2= 6.66	RF3= 21	AF3= 39.33

C5: Visiting/Adjunct Faculty/Professor of Practice**TableNo.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
CAYm1: 2023-24				
1	M. Murali Samrat	Director, Delta Electro Systems and Pvt. Ltd., Hyderabad.	Switching Theory and Logic Design (II B.Tech-I Semester)	25
			VLSI Design (III B.Tech- II Semester)	27
2	V.Govinda Rao	Director, Microlink Information Technologies, Vijayawada	LICA(III B.Tech-I Semester)	26
			Embedded Systems(IV	26

			B.Tech-I Semester)	
3	K. Sai Ram	Project Manager, Infomerica.Bengaluru.	Mobile and Cellular Communication (IV B.Tech-I Semester)	27
			Computer Networks (III B.Tech-I) Semester)	26
Total no. of hours:				157
CAYm2: 2022-23				
1	V. Kumar	Manager, Silicon Touch Technologies Vijayawada	Switching Theory and Logic Design (II B.Tech- I Semester)	25
			VLSI Design (III B.Tech- II Semester)	27
2	K. Sai Ram	Project Manager, Infomerica, Bengaluru.	Mobile and Cellular Communication (IV B.Tech-I Semester)	26
			Computer Networks(III B.Tech-II Semester)	26
3	C. Sudhakar Reddy	Director, SRC E Solutions, Vijayawada.	LICA (III B.Tech-I Semester)	26
			Embedded Systems(IV B.Tech-I Semester)	27
Total no. of hours:				157
CAYm3: 2021-22				
1	M. Murali Samrat	Director, Delta Electro Systems and Pvt. Ltd., Hyderabad.	Switching Theory and Logic Design(II B.Tech-I Semester)	25
			VLSI Design(III B.Tech- II Semester)	27
2	K. Sai Ram	Project Manager, Infomerica, Bengaluru.	Mobile and Cellular Communication (IV B.Tech-I Semester)	26
			Computer Networks (III B.Tech-II Semester)	25
3	V.Govinda Rao	Director, Microlink Information Technologies, Vijayawada.	LICA (III B.Tech-I Semester)	26
			Embedded Systems (IV B.Tech-I Semester)	27
Total no. of hours:				156

C6: Academic Research**TableNo.C6.1:** Faculty publication details.

S.N.	Item	CAYm1 2023-24	CAYm2 2022-23	CAYm3 2021-22
1	No. of peer reviewed journal papers published	11	4	2
2	No. of peer reviewed conference papers published	4	-	5
3	No. of books/book chapters published	4	-	5

C7: Sponsored Research Project**TableNo.C7.1:** List of sponsored research projects received from external agencies.

S.N.	PI name	Co-PI names any	if Name of the Dept., where project is sanctioned	Project title*	Name of the Funding agency	Duration of the project	Amount (Lacs)
CAYm1: 2023-24							
1			NIL				
Amount received (Rs.):							
CAYm2: 2022-23							
1			NIL				
Amount received (Rs.):							
CAYm3: 2021-22							
1			NIL				
Amount received (Rs.): N							
Total Amount(Lacs)ReceivedforthePast3 Years							

C8: Consultancy Work**TableNo.C8.1:** List of consultancy projects received from external agencies.

S.N	PI name	Co-PI names	Name of the Dept., where project is sanctioned	Project title*	Name of the Funding agency	Duration of the project	Amount (Lacs)
CAYm1:2023-24							
1	Dr.B.Nancharaiah		ECE department	Online Examination	TCS ION	1 month	0.54387
Amount received (Lacs)							0.54387
CAYm2:2022-23							
1	Dr.B.Nancharaiah		ECE department	Online examination	TCS ION	1 month	145330
Amount received (Lacs)							1.45330
CAYm3:2021-22							
1	Dr.B.Nancharaiah		ECE department	Online examination	TCS ION	1 month	3.41980
Amount received (Lacs)							3.41980
Total amount (Lacs)received for the past3 years							5.41697

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
CAYm1(2023-24)						
1	Dr. Nancharaiah	Analysis of Data Science and AI-enabled 6G Wireless Communication Networks	2 Months	0.03	0.03	To Motivate the faculty for doing Projects & Publication of Papers.
		The Synthesis of Elliptical Antenna Array using Hybrid SSWOA	2 Months	0.04	0.04	Paper published in SCI

2	Dr.M.V.Srikanth	Algorithm				
		A Novel Multiscale Image Decomposition Based Multimodal Image Fusion Through Guided Filter And Pixel Significance For Brain Tumor Detection"	2 Months	0.03	0.03	To Motivate the faculty for doing Projects & Publication of Papers.
		"Design and Evolution of High Gain, Ultra-Wide Band Antenna for 5G Applications	2 Months	0.03	0.03	Paper published in Scopus
		"Brain MRI and CT Image Fusion Using Multiscale Local Extrema and Image Statistics	2 Months	0.03	0.03	To Motivate the faculty for doing Projects & Publication of Papers.
		Application of Novel Improved Firefly Algorithm for Image Fusion To Detect Brain Tumor	2 Months	0.03	0.03	To Motivate the faculty for doing Projects & Publication of Papers.
		Brain Tumor Detection Through Modified Optimization Algorithm by Region-based Image Fusion	2 Months	0.03	0.03	To Motivate the faculty for doing Projects & Publication of Papers.
3	Dr. Suneel Kumar Asileti	Silver Nano Particle Ink for Performance Enhancement of Micro Strip Patch Antenna in 5G Utilities	2 Months	0.03	0.03	To Motivate the faculty for doing Projects & Publication of Papers.
		High Gain Tri-Band Patch Antenna using Crossed-slot and Complementary Split Ring Resonator Structure	2 Months	0.03	0.03	
		A Tri-Band and Affordable Micro Strip Patch Antenna for Wireless Communications	2 Months	0.03	0.03	
		Brain MRI and CT Image Fusion Using Multiscale Local Extrema and image Statistics	2 Months	0.03	0.03	
		Design and Evolution of High Gain, Ultra-Wide Band Antenna for 5G Applications	2 Months	0.03	0.03	
4	Mrs.K.Nitya	A Comparative Survey on Secure Energy Efficient Routing in WSNs	2 months	0.02	0.02	To Motivate the faculty for doing
		Intelligent Intrusion detection system for wsn in next generation wireless based on LSTM-GRU Architecture	2 months	0.02	0.02	

		(conference)				Projects & Publication of Papers.
5	Dr.E.N.V.Purna chandra Rao	an iot-based system for detecting vehicle accidents in smart cities	2 Months (model)	0.15	0.15	To Motivate the faculty for doing Projects
6	Dr.A.Suneel Kumar	Design and development of high gain multiband array antenna for wireless communication applications	2 Months (model)	0.2	0.2	To Motivate the faculty for doing Projects
7	Mr.M.K.Kishore	a novel hybrid approach for voip traffic forecasting contrasting cnn-lstm with statistical modeling	2 Months (model)	0.15	0.15	To Motivate the faculty for doing Projects
8	Mrs.K.Nitya	Iot based smart health monitoring using advanced neural networks and nature-inspired optimization	2 Months (model)	0.15	0.15	To Motivate the faculty for doing Projects
9	Dr.K, Baburao	ph.d (published scopus, sci papers)	2 Months (model)	0.2	0.2	PhD Awarded
Amount received (Lacs)					1.26	
CAYm2 (2022-23)						
1	Dr. Nancharaiah Battula	An Iot Based Healthcare Monitoring System	2 Months	0.03	0.03	To Motivate the faculty for doing Projects & Publication of Papers.
2	Dr.A.Suneel Kumar	High Band Width Millimeter Wave Dual Band Silver Nano Antenna Array for 5G Applications	2 Months	0.03	0.03	To Motivate the faculty for doing Projects & Publication of Papers.
		PhD (published scopus, SCI papers)		0.5	0.5	PhD Awarded
3	Dr.M.V.Srikanth	Brain Tumor Detection Through Modified Optimization Algorithm by Region-based Image Fusion	2 Months	0.03	0.03	To Motivate the faculty for doing Projects & Publication of Papers.
4	M.K.Kishore	blockchain-based topographical relay selection secure routing (b-trssr) technique for the multi-hop communication in wireless mesh networks(wmn)	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
	CH.Santhi Rani	an embedded systems based approach for	2 Months	0.02	0.02	To Motivate the faculty for doing

5		alcohol detection in drivers				Projects & Publication of Papers.
6	Mr.D.Srikanth	a design of modified version of three stage comparator with improved speed and reduced noise	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
7	Mr.B.Nancharaiah	solving of three buffers over ever-changing communication scenarios in tactical networks	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
8	Mr.P.Sarvanan Kumar	learning distant domain transfer for medical imaging	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
9	Mr.G.Suneetha	implementation of gaussian network using ahybrid fault-tolerant routing in wireless sensornetwork	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
10	Mr.M.V.Srikanth	optimum weighted medical image fusion using non sub-sampled contourlet transform(nsct) for brain tumour detection	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
11	Mr.M.K.Kishore	a crossover ro puf based and lightweight cloud deployment authentication for multi-hop body area network	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
12	Mr.Surendra Loya	design of asynchronous sar adc of 10-bit with eabased bandgap reference voltage generator using bootstrap switch & two stage dynamic comparator	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
13	Mr.T. Sreedhar	using fine-grained firmware fingerprinting, one may assess the security risks posed by embedded devices	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
14	Dr.K.Babu Rao	software-defined networks anomaly detection using fade and ifade algorithms	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.

15	Mr.K.Sandeep	i mplementation of an embedded system for stair recognition based on possibilistic modeling using ultrasonic sensor	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
16	Mr A.Syam Kumar	providing data security for iot technology in medical field using cryptography	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
17	Mr.A.Naga Suman	an automated light-weight encryption method for wireless sensor networks that is both safe and energy-efficient	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
18	Mr.P.Suresh	transmitter fingerprinting for vlc system using convolutional neural network-based deep feature separation	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
19	Mr.G.Rajesh Babu	utilising a random projection approach to enhance a machine learning model for breast lesion categorization	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
20	Mrs.K.Nitya	railway track fault detection using batteryless wireless sensor tag	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
21	Mr.M.Ravi	accurate verification of local &dimensional feature-free searching on massive picture databases	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
22	Mr.D.Siva Padmavathi	yubikey microsoft authentication for node-red	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
23	Mr.M.V.Srikanth	fuzzy entropy based multilevel image thresholding using constriction coefficient-based particle swarm optimization and gravitational search algorithm for multilevel image	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
24	Mrs.K.Raja Kumari	a 16nm cmos implementation of 8*8 array of sram utilizing low power 10t sram cell with expanded static noise margins	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of

						Papers.
25	Dr.CH. Santhi Rani	fast modular multiplication using normal and multi precision schemes for the post-quantum cryptography	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
26	Mr.A.Syam Kumar	a refined method for the lossless compression of images that is based on huffman coding	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
27	Mr.Surendra Loya	design and development of a low profile iot based frequency controlled reconfigurable antenna for wireless applications	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
28	Mr.K.Bhaskar	an iot-based water quality monitoring system with multifunctional sensor for smart agriculture	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
29	Mr.E.Rama Krishna Reddy	an extremely low power persistent non overlapping clock flip flop with precharge suppression operation	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
30	Dr.K.Babu Rao	blockchain logging of healthcare of iot data	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
31	Mr.M.Ravi	a new canny edge detection based algorithm using dwt-svd for mri and x-ray images.	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
32	Dr.B.Nancharaiah	opportunistic routing algorithm using reinforcement learning for underwater acoustic sensor networks	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
33	Mr.P Suresh	a battery-less rfid sensor design for smart home iot applications	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
34	Dr.B.Nancharaiah	opportunistic channel selection algorithm for cognitive radio networks	2 Months	0.02	0.02	To Motivate the faculty for doing Projects &

						Publication of Papers.
35	Mrs.G.Suneetha	a blockchain-enabled transfer learning framework for secure authentication in industrial iot networks	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
36	Mrs. D. S. Padmavathi	whale optimization algorithm-driven clustering for improved performance of iot wireless networks	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
37	Mr.B.Nancharaiah	decentralized and affordable p2p routing techniques for the iot	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
38	Mrs.K.Nitya	effective utilization of energy for wireless sensor networks based on mixed strategy game theory	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
39	Mr.P.Venkanna	structural condition monitoring system with nb-lte by using accelerometer sensors	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
40	Mr.T. Sreedhar	enhancing under image quality through adaptive color correction and multi scale histogram equalization	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
		hybrid dilation and attention residual u-net: a tool for medical image segmentation	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
41	K.Bhaskar	real time management of smartphone with multiple goals	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
42	K.Bhaskar	A parking management system built on raspberry pi and iot	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
43	Mrs. K. Rajakumari	optimal energy utilization and efficient time management	2 Months	0.02	0.02	To Motivate the faculty for doing

		with qos in wsn				Projects & Publication of Papers.
44	CH.Santhi Rani	finger vein authentication for smart vehicles using machine learning	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
45	M.K.Kishore	implementation and assessment of a smart traffic management system in smart cities using vehicular cameras and fog devices to detect driving violations	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
46	K.Sandeep	2-d cvm-based feature extraction for accurate classification of glaucoma stages from fundus images	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
47	G. Rajesh Bbu	object detection algorithm using yolov3-pruning (transfer) based on transfer learning	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
48	E.Ramakrishna Reddy	a folded very low voltage frequency divider mos logic mode current with addition n and p type flip flops	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
49	Dr.B.Nancharaiah,	blockchain-based topographical relay selection secure routing (b-trssr) technique for the multi-hop communication in wireless mesh networks(wmn)	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
50	M.K. Kishore,	novel optimization algorithm to enhancing the performance for voip and mdvc video transmission in wireless mesh network	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
51	B. Nancharaiah	basic compact two-element antenna with improved isolation using sub-6ghz for 5g applications	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
52	B. Nancharaiah K. Babu Rao	power and density aware partial-bus invert adaptive coding using GDI		0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
53	G. Suneetha,	high-throughput and dynamic power	2 Months	0.06	0.06	To Motivate the

	K.Babu Rao , Dr.B.Nancharaiah.	aware global optical flow method using clock gating and mrp				faculty for doing Projects & Publication of Papers.
54	Dr.A.Suneel Kumar	a low cost and dual band microstrip patch antenna for ku and k band application (conference)	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
56	Dr.K.Baburao	automated anemia detection system with telegram bot integration	2 Months	0.15	0.15	To Motivate the faculty for doing Projects
57	Dr.A.Suneel Kumar	a triband 4-element mimo antenna with high isolation performance	2 Months	0.15	0.15	To Motivate the faculty for doing Projects
58	Mr.M.K.Kishore	ai-driven conflict deterrence technology for enhanced personal security	model	0.15	0.15	To Motivate the faculty for doing Projects
59	Mr.T.Sreedhar	computer vision based vehicle detection, classification and tracking from uav data including wrong way and overspeed detection for traffic analysis	Model	0.15	0.15	To Motivate the faculty for doing Projects
Amount received (Lacs)						2.27
CAYm3 (2021-22)						
1	Dr.B.Nancharaiah	link reliable, temperature and delay-aware routing protocol for wireless body area networks	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
2	Mr.A.Syam Kumar	video object detection by evaluating the object blur and motion aid feature calibration	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
3	K. Raja Kumari	estimation of gaussian noise based on hybrid discrete wavelet transform and edge removal	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
4	Mrs.D.Siva Padmavathi	an autarchic neural network based vehicle	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
5	Mr.M. Ravi	1-bit quantizer with modified filter banks for an efficient power spectrum sensing	2 Months	0.02	0.02	To Motivate the faculty for doing Projects &

						Publication of Papers.
6	Mr.P. Venkanna	paarl based mobile edge computational networks for secure communication	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
7	Mr.K.Babu Rao	predictable crc constructions with high error coverage for finite field multipliers	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
8	Mrs.S.Thirupathamma	a design of counters and compressors by sorting network	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
9	Mrs.B.Sneha Latha	an efficient multiplyaccumulate unit through integration of additions and accumulations into ppr method	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
10	Mrs. K.Nitya	design and implementation of smart vehicle for child safety measurements using aurdino	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
11	Mr.T.Sreedhar	detection of smart ponzi schemes using secapsule network	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
12	Mrs.L. Sarala	implementation of a routing protocol for cognitive radio sensor networks	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
13	Mr.K. Sandeep	conversion of low-light images to bright images by applying pair of complementary gamma functions by fusion technique	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
14	Mr.G. Rajesh Babu	low light image to high light image enhancement through two-stage network	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
15	Mrs.G. Sree Lakshmi	capacity performance improvement of	2 Months	0.02	0.02	To Motivate the faculty for doing

		heterogenous battery in a mobile embedded system				Projects & Publication of Papers.
16	Mr.K. Bhaskar	design of low power and high-speed multiplier using posit number system	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
17	Mrs.B.Sneha Latha	automatic license plate detection and recognition using single unified network	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
18	Mrs.G. Suneetha	implementation of advanced multiplier for fir filter applications using approximate compressors	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
19	Mr.K.Babu Rao	based on software defined cloud-fog networks a model on delay -tolerant data transmission scheme	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
20	Mr.Y.Srinivas Rao	student grade prediction using machine learning algorithms	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
21	Dr. Ch. Santhi Rani	implementation of wavelet based image and video processing	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
22	Mr.Surendra Loya	design and development of wideband antenna for wireless and bio-medical applications	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
23	Mr.P.Suresh	a image security and video watermarking using chaotic system	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
24	Mr.G. Rajesh Babu	face recognition robust to reflecting images	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.

25	Dr.B. Nancharaiah	classification of pneumonia using pretrained alexnet model from chest x-ray images during covid-19	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
26	Mr.M.K.K.Kishore	identification of real time traffic in tunneled and anonymous network using deep learning	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
27	Mrs. K.Nitya	multi-level feature fusion in ssd for detection of human moving objects by deep learning in real-time	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
28	Mrs.D.Siva Padmavathi	image deblurring under uniform background	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
29	Mr.E.Rama Krishna Reddy	designing a modified version of three stage comparator by using 130nm cmos technology	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
30	Mrs.sree lakshmi	machine learning models for detecting the security level of various cryptosystems	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
31	Mr.P.Suresh	A Real Time and Remote Intelligent Breathing Rate and Breathing Pattern Monitoring System	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
32	Dr. Ch. Santhi Rani	Automated Walking Guide for Visually Challenged Individuals to Improve their Mobility	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
33	Mr.Y.Srinivas Rao	a single-layer planar low profile wideband line-fed metasurface antenna	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
34	Mr.Karra Bhaskar	smart waste management system using lora and tensorflow deeplearning model	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of

						Papers.
35	Mr.E.Rama Krishna Reddy	design of low area low power combinational circuits using cntfet's	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
36	Mr.Surendra Loya	Design and Development of Slotted Microstrip Patch Antenna for Breast Cancer Detection and Wireless Applications	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
37	Mr.T.Sreedhar	fpga implementation of high performance accurate and approximate signed and unsigned multipliers using structure of lut configurations on artix-7	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
38	Mr.M.K.Kishore	detection of severity of an accident by using machine learning algorithms	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
39	Mr.K.Raja Kumari	smart agriculture monitoring using fuzzy systems	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
40	Mr.Kota Sandeep	design of high speed multiplier using dual stage 4:2 compressor for dsp applications	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
41	Mr.A. Syam Kumar	low-cost and programmable crc implementation based on fpga	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
42	Mr.K.Sravani	a low cost lot architecture for the automation of automobiles	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
43	Mrs. G.Suneetha	a secure and fine- grained scheme for data security in idustrial iot platforms for smart city	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
44	Dr.V.G.N.S.Prasad	alzheimer's diseases early detection by using deep learning	2 Months	0.02	0.02	To Motivate the faculty for doing

		algorithm's				Projects & Publication of Papers.
45	Mr.M.Ravi	low cost, low power, wireless sensor network for ground water monitoring	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
46	Dr.B.Nancharaiah	portable wireless system uses machine learning to detect arrhythmia	2 Months	0.02	0.02	To Motivate the faculty for doing Projects & Publication of Papers.
47	Dr.K.Baburao	Real Time Vehicular Accident Tracing And Alertness System Using Raspberry Pi 4	Model	0.15	0.15	To Motivate the faculty for doing Projects
48	Dr.A.Suneel	Analysis of MIMO Antenna Design with High Isolation Techniques for 5G Applications	Model	0.2	0.2	To Motivate the faculty for doing Projects
49	Mrs.K.Nitya	IoT based Smart Health Monitoring Using Advanced Neural Networks and Nature-Inspired Optimization	Model	0.15	0.15	To Motivate the faculty for doing Projects
Amount received (Lacs)						1.42
Total amount (Lacs) received for the past 3 years						4.95

PART-D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department).

D1: Adequate and Well-Equipped Laboratories, and Technical Manpower




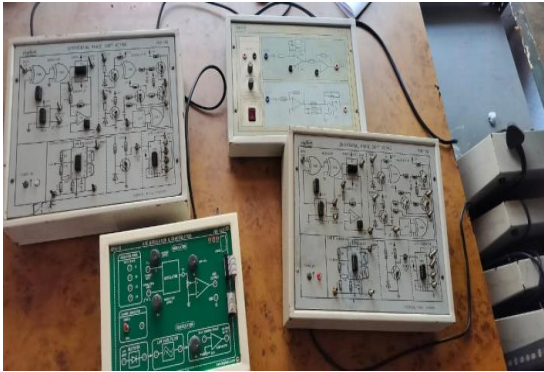

TableNo.D1.1: List of laboratories and technical manpower.

S.N.	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the major equipment	Weekly utilization status (all the courses for which the lab is utilized)	Technical Manpower support		
					Name of the technical staff	Designation	Qualification
1	Electronic devices and circuits & Electronics Circuit Analysis Laboratory	35students (1:3)	1.Experimental kits(12) 2.5KVA Servo Stabilizer 3.CRO 4.Function Generator 5.RPS 6.Decade Resistor Box 7.Decade Capacitor Box 8.Decade Inductor Box 9.Digital AC milli Voltmeter 10.AF output Power meter 11.Digital Multimeter	100%(lab,workshops, basic learning about electronic elements,Projecs) (II/1:EDC LAB II/2: ECA LAB)	M.Rama krishna	Lab Technician	B.Tech (ECE)
2	Switching Theory and Logic Design & Analog Communication Laboratory	35students (1:3)	1.Experimental kits(12) 2.DC Regulated Power Supply 3.Logic gates using IC's 4.Basic logic gates using Discrete components 5. Function Generators 6.0-20 MHz Dual CRO 7.Digital CRO 8.Digital Multimeters 9.5KVA Servo Stabilizer	100%(lab,workshops, Innovation ,projects) (II/1:STLD LAB III/2 :LICA LAB)	P.Mohana Rao	Lab Technician	DECE

3	Digital Communication & Linear Integrated Circuit Analysis Laboratory	35students (1:3)	1.Experimental kits 2.50MHz Digital CRO 3.20MHz Analog CRO 4.2MHz Function Generators 5.RPS (0-30V,4A) 6.Digital Multimeter 7.KVA Servo Stabilizer 8.Universal IC Tester 9.IC Testing Adaptor Cable	100%(lab,workshops, Innovation ,projects) (III/2:DC LAB)	G.Jashuva	Lab Technician	DECE
4	Simulation Laboratory	65systems (1:1)	1. COMPUTERS with XILINX and MATLAB software 2.DSP STARTER KIT-TMS320C6713(3) 3.FPGA KITS	100%(lab,workshops Projects for final year and internships) (III/1:DATA STRUCTURE USING JAVA II/1:DATA STRUCTURE USING PYTHON II/2:S&S LAB III/2:MPMC LAB III/2:DSP LAB III/2:VLSI LAB)	M. Navdeep	Lab Technician	B.Tech(ECE)
5	Microprocessor and Micro Controller Laboratory	35students (1:3)	1.Klystron Microwave Bench Setup 2.Gunn Source microwave test bench 3.Fiber Optic Digital link kit 4.Fiber Optic Analog link kit 5.Laser diode TX and RX kit 6.Numerical Aperture kit 7.Digital Fiber Optic Trainer kit 8.Laser Trainer kit 9.50MHZ Digital CRO 10. Digital Multimeter 11. Gunn Oscillator components 12. Directional Coupler components 13. Circulator components 14. Numerical Aperture	100%(lab, workshops Projects for final year and internships, Innovations) (III/2: MPMC LAB)	K. Ganesh	Lab Technician	DECE

			kit 15. Laser Diode Transmitter and Receiver kit 16.8086,8051 Microprocessor with power supply				
6	Internet Of Things & VLSI Laboratory	50 systems (1:1)	1. IOT Development Board type-I(Includes 12V, 3A Adaptor, M-M and M-F connecting wires - 100) 2. Arduino UNO R3 3. Raspberry PI3 B+ 4. PSoC 4 BLE Board 5. EM-18 RFID Readers 6. Soil moisture Sensors 7. EM-18 RFID Reader Cards 8. Intel I3-10105F, 8GB RAM,512GB HD Computer System 9. Intel I5-10400F, 8GB RAM,1TB HD	100%(lab, workshops, Innovation ,projects) (IV/1:DESIGN TOOLS III/2:AAI LAB III/2:VLSI LAB)	G.Ramya	Lab Technician	B.Tech (ECE)




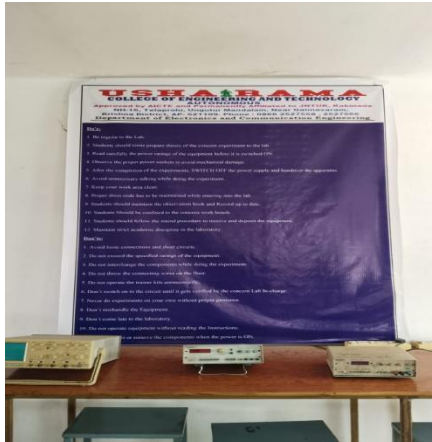
Snippets of various Laboratories

S. No	Name of the Laboratory	Venue	Components	Laboratory Photograph
1	Electronic devices and circuits & Electronics Circuit Analysis Laboratory	U113		
2	Switching Theory and Logic Design & Analog Communication Laboratory	U114		
3	Digital Communication & Linear Integrated Circuit Analysis Laboratory	U115		

4	Simulation Laboratory	U310		
5	Microprocessor and Micro Controller Laboratory	R302		
6	Internet Of Things & VLSI Laboratory	U410		

D2: Safety Measures in Laboratories

TableNo.D2.1: List of various safety measures in laboratories.

S.N.	Name of the Laboratory	Safety Measures	Sample pictures
1	Electronic devices and circuits & Electronics Circuit Analysis Laboratory	1.Fire extinguishers are strategically placed to prevent and manage fire hazards. 2.Electrical safety measures, including proper earthing and MCB protection, are in place. 3.A UPS (Uninterruptible Power Supply) is provided to prevent damage caused by power fluctuations. 4. A First Aid box is available for immediate medical assistance. 5.Safety display boards, including Do's and Don'ts, are prominently placed. 6. Students are supposed to wear Lab Aprons. 7. Well trained technical supporting staff monitor the labs all times. 8. Damaged equipment is identified and serviced at the earliest.	 
2	Switching Theory and Logic Design & Analog Communication Laboratory		
3	Digital Communication & Linear Integrated Circuit Analysis Laboratory		
4	Simulation Laboratory	1.Fire extinguishers are strategically placed to prevent and manage fire hazards. 2.Electrical safety measures, including proper earthing and MCB protection, are in place. 3.A UPS (Uninterruptible Power Supply) is provided to prevent damage caused by power fluctuations. 4. A First Aid box is available for immediate medical assistance. 5.Safety display boards, including Do's and Don'ts, are prominently placed. 6. Students are supposed to wear Lab Aprons 7. Well trained technical supporting staff monitor the labs all times. 8. Damaged equipment is identified and serviced at the earliest. 9.Cooling fans are promptly used in Microwave lab 10.Softwares are updated at appropriate time intervals.	
5	Microprocessor and Micro Controller Laboratory		
6	Internet Of Things & VLSI Laboratory		

D3: Project Laboratory/Research Laboratory**Table No. D3.1:** List of project laboratory/research laboratory/Centre of Excellence.

S.N.	Name of the Laboratory
1.	Project/Research Laboratory

S. No	Name of the Laboratory	ROOM NO	SPACE	Product Type						Quality	Lab Manual
				Working Benches	Writing Benches	PC/Laptops	Chairs	Lights	Fans		
1	Project/Research Laboratory	U310	222	5	1	63	70	8	10	Good	Available

Table. List of Hardware facilities available to complete project/ Research work

S. No	Name of the Equipment	S. No	Name of the Equipment
1	8086 Microprocessor	11	Numerical Aperture Kit
2	8051 Microprocessor	12	Digital Fiber Optic Trainer Transmitter Receiver Kit
3	Dual ADC-07A	13	Analog Fiber Optic Trainer Transmitter & Receiver Kit
4	Dual DAC-06A	14	IOT Development Board Type-I(Includes 12V, 3A Adaptor, M-M and M-F Connecting Wires - 100)
5	Directional Coupler & Circulator	15	Arduino UNO R3
6	Microwave Benches	16	Raspberry PI3 B+
7	DSP Starter Kits-TMS 320 6713, TEXAS Instruments	17	PSOC 4 BLE BOARD
8	Fiber Optic Digital Link Transmitter & Receiver Kit	18	EM-18 RFID Readers
9	Fiber Optic Analog Link Kit	19	Soil Moisture Sensors
10	Laser Diode Modulation Transmitter & Receiver Kit	20	EM-18 RFID Reader Cards

Table. List of Software facilities available to complete project/ Research work

S. No	No & Date of Invoice	Name of the Software	Version
1	Licensed	XILINX VIVADO	2018.1
2	Licensed	MICROWIND	DSCH 3.5
3	Open Source	SCILAB	2025.0.0(64-bit)

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 (FY SFR)**TableNo.E1.1:** FY SFR 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))/RF4
CAY (2024-25)	660	33	26	10	69%
CAYm1 (2023-24)	540	27	28	8	89%
CAYm2 (2022-23)	540	27	29	8	92%
Average Percentage					83.33%

S.N.	Name of the Faculty	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)	If contractual mention Fulltime or(Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (Incase Currently Associated is "No")
1	Dr.Ari Madana MohanaRao	Ph.D	Acharya Nagarjuna University	Mathematics	30/12/2008	16	Assoc. Professor	Professor	01/01/2014	Regular	Fulltime	Yes	--
2	Dr.VSrihariBabu	Ph.D	Rayalaseema University	Mathematics	01/07/2010	14	Asst. Professor	Assoc. Professor		Regular	Fulltime	Yes	--
3	T. Srikanth Naidu	M.SC, M.Phil	SVU	Mathematics	01.06.2012	13	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
4	M.Naga Deepthi	M.SC	Acharya Nagarjuna University	Mathematics	04.06.2013	12	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
5	D.Victor	M.SC	Acharya Nagarjuna University	Mathematics	08.06.2018	6	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
6	Dr.Hima Bindu	Ph.D	KLU	Mathematics	18.10.2021	3.6	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
7	A.Ram Babu	M.SC	Acharya Nagarjuna University	Mathematics	06.06.2022	3	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--

			rsity										
8	P.N.S.LalithaRani	M.SC	Acharya Nagarjuna University	Mathematics	08/06/2022	3	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
9	D.Sujatha	M.SC	AKNU(RJY)	Mathematics	06.06.2022	3	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
10	M.Ribca Rani	M.SC	Andhra University	Mathematics	17/06/2022	3	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
11	T.Usha	M.SC	Andhra University	Mathematics	02.05.22	3.1	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
12	Dr R Vijay	Ph.D	Acharya Nagarjuna University	Glasses	13/06/2016	8	Asst. Professor	Assoc. Professor	25/03/2023	Regular	Fulltime	Yes	--
13	S.Anusha	M.SC	Acharya Nagarjuna University	Physics	09.07.10	14	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
14	D.Jhansi	M.sc	Krishna University	Physics	08/07/2023	1.8	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
15	P.Dhyva Stuthi	M.Sc	Acharya Nagarjuna University	Physics	07/06/2022	3	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
16	DrBNaga Srinivas	Ph.D	HNBG University	Chemistry	01/07/2012	13	Professor	Professor		Regular	Fulltime	Yes	--
17	PNaga Mani	M.Sc	Acharya Nagarjuna University	Chemistry	25/04/2022	3.2	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
18	K.Jai Sai Lakshmi	M.Sc	Andhra University	Chemistry	07/08/2021	3.9	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
19	K Rajesh Kumar	M.A	Acharya Nagarjuna University	English	18.03.2015	9	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--

20	Dr.K.Elijah	Ph.D	Acharya Nagarjuna University	English Literature	01.06.2018	6.5	Assoc. Professor	Assoc. Professor		Regular	Fulltime	Yes	--
21	R Simhachalam	M.A	Andhra University	English Literature	03/12/2018	6.5	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
22	G.Vijaya Swapna	M.A	University of Madras	English Literature	21.02.2022	3.2	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
23	S.Sree Lakshmi	M.A,M. Phl	Nagarjuna University	English Literature	01/08/2022	2.9	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
24	R.Sarojini Devi	M.A	Aacharya Nagarjuna University	English Literature	10.06.2021	3.10	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
25	G.Sree Manogna	M.A	Krishna University	English Literature	22/06/2022	3	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
26	PVijaya Kumar	M.A.	Nagarjuna University	English Literature	06/11/2012	12	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
27	Kakarla Venkata SivaKuma Babu	M.Tech MBA	JNTUH	Civil Engineering	04/05/2015	9.7	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
28	Gogineni Giri Prasad	M.Tech	JNTUH	Civil Engineering	30-01-2019	6	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
29	K Ashok	M.Tech	JNTUK	Civil Engineering	23/10/2019	5.2	Asst. Professor	Asst. Professor		Regular	Fulltime	S	--
30	Divi Sahitya Devi	M.Tech	JNTUK	Control system	10/06/2024	0.4	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
31	Dharavathu Hari Chandra Prasad Babu Nayak	M.Tech	JNTUK	Power system	06/06/2020	4.9	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
32	Kurumatla Bhushan Kumar	M.Tech	JNTUK	Power system	07/06/2022	3.3	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--

33	Mekala Ribca	M.Tech	JNTUK	Power system	07/06/2022	3.3	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
34	B Sirisha	M.Tech	JNTUK	CSE	01/07/2015	9	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
35	M Rajesh	M.Tech	JNTUK	CSE	01/07/2012	12	Asst. Professor	Asst. Professor		Regular	Fulltime	Yes	--
36	P Jyotshna	M.Tech	JNTUK	CSE	27/12/2024		Asst. Professor	Asst. Professor		Regular		YES	--
37	P.Thirupathi Rao	M.Phil.	KU	Mathematics	13/06/2013	10	Assoc. Professor	Assoc. Professor		Regular	Fulltime	No	06.06.23
38	Kota.SriLakshmi	M.Sc	Krishna University	Organic chemistry	05/11/2021	2.10	Asst. Professor	Asst. Professor		Regular	Fulltime	No	27.07.24
39	N AdiLakshmi	M.Sc	Acharya Nagarjuna University	Physics	06.12.21	2.8	Asst. Professor	Asst. Professor		Regular	Fulltime	No	01.08.24
40	M Thambi Rani	M.A	Krishna University	English Literature	27.11.2019	3.10	Asst. Professor	Asst. Professor		Regular	Fulltime	No	30.09.23

E2: Budget Allocation, Utilization, and Public Accounting at Institute Level

TableNo.E2.1: Budget and actual expenditure incurred at Institute level.

Items	Budgeted in CFY 2023-2024	Actual expenses in CFY (till ...) 2023-2024	Budgeted in CFYm1 2022-2023	Actual Expenses in CFYm1 2022-2023	Budgeted in CFYm2 2021-2022	Actual Expenses in CFYm2 2021-2022	Budgeted in CFYm3 2020-2021	Actual Expenses in CFYm3 2020-2021
Infrastructure Built-Up	2200000	2177028	5500000	5301678	19000000	18842755	115000	110640
Library	140000	136825	150000	145876	60000	57687	350000	342803
Laboratory equipment	2750000	2718668	10750000	10710819	10000000	9608469	50000	50000
Teaching and non-teaching staff salary	74000000	73192418	70600000	70558952	73500000	73359803	53000000	52238999
Outreach Programs	71000	71000	44500	44500	44500	44500	44500	44500
R&D	275000	273520	350000	344989	820000	817461	430000	420149
Training, Placement and Industry linkage	2000000	1935455	1000000	973500	50000	50000	50000	50000
SDGs	200000	168661	150000	140669	170000	166617	20000	15058
Entrepreneurship	800000	796500	1000000	989902	1000000	1039875	500000	497810
Others (Laboratory Consumables , Maintenance and spares , Training and Travel, Laboratory Consumables, Personnel Cost, Power, Fuel, Water charges, Rent and Taxes, Insurance, Administrative Expenses Bank Charges & Interest on Loan Depreciation)	87574000	86896765	63550500	63432150	63285500	62900047	48960500	48776009
Total amount	170010000	168366840	153095000	152643035	167930000	166887214	103520000	102545968

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 CFY 2023-2024	Actual expenses in CFY (till ...) 2023-2024	Budgeted inCFYm1 2022-2023	Actual Expenses inCFYm1 2022-2023	Budgeted inCFYm2 2021-2022	Actual Expenses inCFYm2 2021-2022	Budgeted inCFYm3 2020-2021	Actual Expenses inCFYm3 2020-2021
Laboratory equipment	871500	770117	3240000	3226696	4500000	3032670	90000	83064
Software	360000	352088	90000	64088	150000	140522	15000	3000
SDGs	60000	50598	45000	42201	51000	49985	6000	4517
Support for faculty development	270000	2606574	270000	2611791	210000	2015650	510000	509461
R&D	82500	82056	105000	103497	246000	245238	129000	126045
Industrial Training, Industry expert, Internship	240000	238950	300000	296971	300000	311963	150000	149343
Miscellaneous expenses *	47679000	43916040	49078500	46553722	52362000	51681163	30156000	29888340
Total amount	49563000	48016423	53128500	52898965	57819000	57477191	31056000	30763790