NATIONAL BOARD OF ACCREDITATION

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

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Program Name : Electronics & Communication Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 10915	**Date of Submission**: 31-07-2025

PART A- Profile of the Institute

A1.Name of the Institute: SRI VASAVI ENGINEERING COLLEGE	
Year of Establishment : 2001	Location of the Institute: TADEPALLIGUDEM
A2. Institute Address:SRI VASAVI ENGINEERING COLLEGE	
City:PEDATADEPALLI, TADEPALLIGUDEM	State:Andhra Pradesh
Pin Code:534101	Website:www.srivasaviengg.ac.in
Email:SVEC.A8@GMAIL.COM	Phone No(with STD Code):08818-284355
A3. Name and Address of the Affiliating University (if any):	
Name of the University : JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA	City: West Godavari
State : Andhra Pradesh	Pin Code: 534101
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status: State Government	

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

- No. of UG programs: **10**
- 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	UG	Artificial Intelligence and Machine Learning	2021	--	Artificial Intelligence and Machine Learning
2	Engineering & Technology	UG	Civil Engineering	2011	--	Civil Engineering
3	Engineering & Technology	PG	Computer Science	2021	--	Computer Science and Engineering
4	Engineering & Technology	UG	Computer Science & Technology	2019	--	Computer Science and Technology
5	Engineering & Technology	UG	Computer Science and Engineering	2001	--	Computer Science and Engineering
6	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence)	2021	--	Computer Science and Engineering (Artificial Intelligence)
7	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2024	--	Computer Science and Engineering (Data Science)
8	Engineering & Technology	UG	Electrical and Electronics Engineering	2002	--	Electrical and Electronics Engineering
9	Engineering & Technology	UG	Electronics & Communication Engineering	2001	--	Electronics and Communication Engineering
10	Engineering & Technology	UG	Electronics & Communication Technology	2019	--	Electronics and Communication Technology
11	Engineering & Technology	PG	Embedded System & VLSI	2019	--	Electronics and Communication Engineering
12	Engineering & Technology	UG	Mechanical Engineering	2010	--	Mechanical Engineering

13	Engineering & Technology	PG	Power Electronics & Power Systems	2021	--	Electrical and Electronics Engineering
14	Engineering & Technology	PG	Structural Engineering	2016	2024	Civil Engineering
15	Engineering & Technology	PG	Thermal Engineering	2021	--	Mechanical 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
Mechanical Engineering	No	Mechanical Engineering	UG
Electronics and Communication Engineering	Yes	Electronics & Communication Engineering	UG

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

Allied Department/Cluster Name	Program Name	Program Level
Electronics and Communication Technology	Electronics & Communication Technology	UG

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/COMPET AUTHORITY AR DETAILS
1	Electronics & Communication Engineering	UG	2001 / --	60	Yes	2024	240	2024	F.No.South-Centr 43664649648/20

Sanctioned Intake for Last Five Years for the Electronics & Communication Engineering	
Academic Year	**Sanctioned Intake**
2024-25	240
2023-24	180
2022-23	180
2021-22	180
2020-21	180
2019-20	180

List of the Allied Departments/Cluster and Programs:

SR.NO.	ALLIED DEPARTMENT NAME	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
1	Electronics and Communication Technology	Electronics & Communication Technology	UG	2019 / --	60	No	NA	60	2019

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

A. Name of the HoD :	Dr. E. Kusuma Kumari
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)	2024-25 (CAY)	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)	2020-21 (CAYm4)	2019-20 (CAYm5)	2018-19 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	240	180	180	180	180	180	180
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	240	180	170	180	179	170	178
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	18	29	18	19	28	20
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	10	18	18	18	13	10	2
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	250	216	217	216	211	208	200

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]
2024-25 (CAY)	240	240	10	104.17
2023-24 (CAYm1)	180	180	18	110.00
2022-23 (CAYm2)	180	170	18	104.44

Average [(ER1 + ER2 + ER3) / 3] = 106.20≡ 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	(2020-21) LYG	(2019-20) LYGm1	(2018-19) 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).	211.00	208.00	200.00
B=No. of students who graduated from the program in the stipulated course duration	181.00	165.00	153.00
Success Rate (SR)= (B/A) * 100	85.78	79.33	76.50

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 80.54

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(2023-24)	CAYm2(2022-23)	CAYm3 (2021-22)
Mean of CGPA or mean percentage of all successful students(X)	6.95	7.39	7.77
Y=Total no. of successful students	194.00	186.00	197.00
Z=Total no. of students appeared in the examination	198.00	188.00	198.00
API [X*(Y/Z)]	6.81	7.31	7.73

Average API[(AP1+AP2+AP3)/3] : 7.28

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	7.02	7.11	7.12
Y=Total no. of successful students	209.00	212.00	205.00
Z=Total no. of students appeared in the examination	215.00	215.00	210.00
API [X * (Y/Z)]	6.82	7.01	6.95

Average API [(AP1 + AP2 + AP3)/3] : 6.93

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
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)	7.93	7.76	7.44
Y=Total no. of successful students	209.00	203.00	201.00
Z=Total no. of students appeared in the examination	212.00	205.00	204.00
API [X*(Y/Z)]:	7.82	7.68	7.33

Average API [(AP1 + AP2 + AP3)/3] : 7.61

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2020-21)	LYGm1(2019-20)	LYGm2(2018-19)
FS*=Total no. of final year students	203.00	208.00	200.00
X=No. of students placed	75.00	165.00	180.00
Y=No. of students admitted to higher studies	3.00	3.00	7.00
Z= No. of students taking up entrepreneurship	5.00	6.00	6.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	40.89	83.65	96.50

Average Placement Index = (P_1 + P_2 + P_3)/3: 73.68 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

(Data to be filled in for the Department and Allied Departments)

C1. Faculty details of Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)
1	Dr. E. Kusuma Kumari	XXXXXXX80K	Ph.D	Berhumpur University	Antennas	01/02/2013	12.5	Associate Professor	Professor	01/04/2015	Regular
2	Dr.M.Thamarai	XXXXXXX25P	Ph.D	Anna University	Image Processing	02/07/2018	7	Professor	Professor	02/07/2018	Regular
3	Dr.Purnima K Sharma	XXXXXXX38E	Ph.D	Utharakhand Technical University	Communication & Signal processing	03/03/2017	8.4	Associate Professor	Professor	01/04/2022	Regular
4	Dr. KNH Srinivas	XXXXXXX46K	Ph.D	JNTUK, Kakinada	Signal processing	23/10/2001	23.9	Assistant Professor	Professor	23/07/2024	Regular
5	Sri G.Shankara Bhaskara Rao	XXXXXXX59E	M.Tech	Andhra university	Control Systems	08/08/2022	2.11	Associate Professor	Associate Professor	08/08/2022	Regular
6	Dr. T.D.N.S.S.Sarveswara Rao	XXXXXXX16A	Ph.D	Himalayan University	Optical Communication	04/07/2014	11	Assistant Professor	Associate Professor	01/04/2022	Regular

7	Dr.T.V.N.L.Aswini	XXXXXXX20H	Ph.D	JNTUK, Kakinada	Communication & Signal Processing	08/06/2017	8.1	Assistant Professor	Associate Professor	01/08/2022	Regular
8	Dr. S.V.V.Satyanarayana	XXXXXXX08F	Ph.D	VIT Vellore	VLSI	11/06/2015	10.1	Assistant Professor	Associate Professor	01/08/2022	Regular
9	Dr. B.Ashok Kumar	XXXXXXX33Q	Ph.D	Andhra University	Microstrip patch antenna's	22/02/2023	2.5	Assistant Professor	Associate Professor	01/07/2023	Regular
10	Dr. S.Kamesh	XXXXXXX36P	Ph.D	VIT AP	Image Processing	28/09/2021	3.10	Assistant Professor	Associate Professor	22/01/2024	Regular
11	Dr. B.Murali Krishna	XXXXXXX63N	Ph.D	JNTUK, Kakinada	VLSI SD	3/11/2021	3.8	Assistant Professor	Associate Professor	11/01/2024	Regular
12	Smt.Y.Sujatha	XXXXXXX30P	M.Tech	JNTUK, Kakinada	VLSI	6/6/2011	14.1	Assistant Professor	Assistant Professor		Regular
13	Sri D.R.Sandeep	XXXXXXX39B	M.Tech	JNTUK, Kakinada	DECS	30/11/2006	18.8	Assistant Professor	Assistant Professor		Regular
14	Sri T.Sreenivasu	XXXXXXX89R	M.Tech	JNTUK, Kakinada	ES	19/06/2007	18.1	Assistant Professor	Assistant Professor		Regular
15	Sri P.Gopala Reddy	XXXXXXX99L	M.Tech	JNTUK, Kakinada	ES	13/09/2010	14.10	Assistant Professor	Assistant Professor		Regular
16	Sri R.Ram Prasad	XXXXXXX97N	M.Tech	JNTUK, Kakinada	VLSI SD	05/05/2023	2.2	Assistant Professor	Assistant Professor		Regular
17	Sri G.V.Subrahmanyam	XXXXXXX15H	M.Tech	JNTUH	VLSI SD	09/06/2014	11.1	Assistant Professor	Assistant Professor		Regular
18	Sri J.Rajendra	XXXXXXX22R	M.Tech	JNTUK, Kakinada	DECS	04/06/2015	10.1	Assistant Professor	Assistant Professor		Regular
19	Sri R.L.R.Lokesh Babu	XXXXXXX09D	M.Tech	JNTUK, Kakinada	DECS	03/06/2019	6.1	Assistant Professor	Assistant Professor		Regular
20	Sri M.Vinod Kumar	XXXXXXX76Q	M.Tech	Andhra University	Control Systems	03/06/2019	6.1	Assistant Professor	Assistant Professor		Regular
21	Sri M.Venkata Suman	XXXXXXX92M	M.Tech	NIT Kurukshetra	Intrumentation	28/09/2021	3.10	Assistant Professor	Assistant Professor		Regular
22	Sri V.Anil Kumar	XXXXXXX47N	M.Tech	JNTUK, Kakinada	Communication & Signal Processing	01/08/2022	2.11	Assistant Professor	Assistant Professor		Regular
23	Sri D.Venkanna Babu	XXXXXXX14P	M.Tech	JNTUK, Kakinada	VLSI	01/08/2022	2.11	Assistant Professor	Assistant Professor		Regular
24	Smt.L.Bharani	XXXXXXX36A	M.Tech	JNTUK, Kakinada	VLSI & ES	05/06/2023	2.1	Assistant Professor	Assistant Professor		Regular
25	Sri. Thota Sreenivas	XXXXXXX29A	M.Tech	JNTUK	ICS	14/06/2008	16.4	Associate Professor	Associate Professor		Regular
26	SRI M.Subba Rao	XXXXXXX53E	M.Tech	JNTUK	ES	20/09/2008	16.10	Assistant Professor	Assistant Professor		Regular
27	Sri.P.V.V.Satyanarayana	XXXXXXX32K	M.Tech	JNTUK	VLSI&ES	15/06/2012	13.1	Assistant Professor	Assistant Professor		Regular
28	Sri M.Pitchaiah	XXXXXXX39G	M.Tech	NIT Harimpur	VLSI	21/07/2023	2	Assistant Professor	Assistant Professor		Regular
29	Smt.Y.Sai Prasanna	XXXXXXX58D	M.Tech	JNTUK, Kakinada	ES & VLSI	01/08/2023	1.11	Assistant Professor	Assistant Professor		Regular
30	Smt. V. Radha	XXXXXXX11D	M.Tech	JNTUK	ES	07/11/2015	9.8	Assistant Professor	Assistant Professor		Regular
31	Sri B.Chanti	XXXXXXX92P	M.Tech	JNTUK, Kakinada	VLSI & ES	01/07/2024	1	Assistant Professor	Assistant Professor		Regular
32	Sri K.Nagaraju	XXXXXXX95G	M.Tech	Andhra University	VLSI SD	06/07/2024	1	Assistant Professor	Assistant Professor		Regular
33	Sri P.Srinivas	XXXXXXX13R	M.Tech	JNTUK, Kakinada	VLSI	01/07/2024	1	Assistant Professor	Assistant Professor		Regular

34	Ms.K.Durga Saranya	XXXXXXX31L	M.Tech	JNTUK	VLSI&ES	01/11/2021	3.8	Assistant Professor	Assistant Professor		Regular
35	Smt.J.Dhanasree	XXXXXXX13F	M.Tech	JNTUK, Kakinada	VLSI SD	12/07/2024	1	Assistant Professor	Assistant Professor		Regular
36	Dr.K.Baboji	XXXXXXX30Q	Ph.D	VIT Vellore	VLSI	16/07/2024	1	Assistant Professor	Assistant Professor		Regular
37	Dr. V.Jaya Prakash	XXXXXXX92A	Ph.D	VIT	RF & Microwave engineering	01/08/2023	1.1	Assistant Professor	Assistant Professor		Regular
38	Ms.Y.Y.S.Manogna	XXXXXXX34K	M.Tech	JNTUK	ES	08/06/2016	7.1	Assistant Professor	Assistant Professor		Regular
39	Sri Sudheer chakravarthy	XXXXXXX29H	M.Tech	JNTUK	DECS	05/11/2020	2.5	Assistant Professor	Assistant Professor		Regular
40	Smt. K.Indhira Priyadharshini	XXXXXXX74G	M.Tech	JNTUK, Kakinada	ES & VLSI	01/02/2023	2.5	Lecturer	Assistant Professor		Regular
41	Dr.M.Koteswara Rao	XXXXXXX48F	Ph.D	JNTUK, Kakinada	Speech Processing	22/06/2006	17.10	Assistant Professor	Professor	01/10/2020	Regular
42	Ms.V.Harini	XXXXXXX84Q	M.Tech	JNTUK, Kakinada	ECE	29/11/2019	3.8	Assistant Professor	Assistant Professor		Regular

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

Sr.No	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Natur Asso (Regu Contr Ad ho
1	Dr.CH. V Naga Bhaskar	XXXXXXX99M	NA	Ph.D	BITS Hyderabad	Optical Communication	01/07/2024	1	Associate Professor	Associate Professor		Regul
2	Ms.CH.kavya	XXXXXXX56G	NA	M.Tech	JNTUK	VLSI&ES	22/06/2024	1.1	Assistant Professor	Assistant Professor		Regul
3	Sri P.Nagaraju	XXXXXXX38J	NA	M.Tech	JNTUH	VLSI SD	03/02/2021	4.5	Assistant Professor	Assistant Professor		Regul
4	Smt. M.Neelima	XXXXXXX39E	NA	M.Tech	JNTUK	VLSI ID	03/08/2022	2.11	Assistant Professor	Assistant Professor		Regul
5	Sri P.V.V.Rajesh	XXXXXXX60L	NA	M.Tech	JNTUK, Kakinada	VLSI & ES	01/08/2022	2.11	Assistant Professor	Assistant Professor		Regul
6	K.Pasipalana Rao	XXXXXXX62M	NA	M.Tech	JNTUK	VLSID	03/08/2022	2.11	Assistant Professor	Assistant Professor		Regul
7	Sri. B.V.V.BHARGAV	XXXXXXX32M	NA	M.Tech	NIT DURGAPUR	Telecommunication	01/07/2023	2	Assistant Professor	Assistant Professor		Regul
8	Mr. R. Siva Kumar	XXXXXXX42P	NA	M.Tech	Karunya university	VLSID	04/07/2022	2.10	Assistant Professor	Assistant Professor		Regul
9	Ms. R. Beaulah	XXXXXXX29D	NA	M.Tech	KLUDE	ES	15/07/2022	2.10	Assistant Professor	Assistant Professor		Regul
10	Mr. A. Vinoth kumar	XXXXXXX67G	NA	M.Tech	ANNA UNIVERSITY	ES	11/07/2022	2.10	Assistant Professor	Assistant Professor		Regul
11	Mr.Rajasekhar.D	XXXXXXX39R	NA	M.Tech	ANNA UNIVERSITY	Comp& Communication	11/07/2022	2.10	Assistant Professor	Assistant Professor		Regul
12	Mr.T.krishna murthy	XXXXXXX81J	NA	M.Tech	ANNA UNIVERSITY	VLSID	11/07/2022	2.10	Assistant Professor	Assistant Professor		Regul
13	Ms. S. Anusha	XXXXXXX95Q	NA	M.Tech	JNTUK, Kakinada	VLSI & ES	15/07/2022	2.10	Assistant Professor	Assistant Professor		Regul

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(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1.B	198	198	198
UG1.C	198	198	198
UG1.D	198	198	198
UG1: Electronics & Communication Engineering	**594**	**594**	**594**
UG2.B	66	66	66
UG2.C	66	66	66
UG2.D	66	66	66
UG2: Electronics & Communication Technology	**198**	**198**	**198**
PG1.A	6	6	6
PG1.B	6	6	18
PG1: Embedded System & VLSI	**12**	**12**	**24**
DS=Total no. of students in all UG and PG programs in the Department	606	606	618
AS=Total no. of students of all UG and PG programs in allied departments	198	198	198
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 804	**S2=** 804	**S3=** 816
DF=Total no. of faculty members in the Department	36	33	30
AF= Total no. of faculty members in the allied Departments	13	11	10
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 49	**F2=** 44	**F3=** 40
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= 16.41**	**SFR2= 18.27**	**SFR3= 20.40**
Average SFR for 3 years	**SFR= 18.36**		

C3. Faculty Qualification

- Faculty qualification index (FQI) = 2.5 * [(10X +4Y)/RF] where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = 2.5 x [(10X + 4Y) / RF)]
2024-25(CAY)	12	37	40.00	16.75
2023-24(CAYm1)	8	36	40.00	14.00
2022-23(CAYm2)	7	33	40.00	12.62

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = 1/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents:.
- RF2= No. of Associate Professors required = 2/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- RF3= No. of Assistant Professors required = 6/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.

- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2024-25	4.00	4.00	8.00	7.00	26.00	38.00
2023-24	4.00	4.00	8.00	4.00	26.00	36.00
2022-23	4.00	4.00	9.00	3.00	27.00	33.00
Average	RF1=4.00	AF1=4.00	RF2=8.33	AF2=4.67	RF2=26.33	AF2=35.67

C5. Visiting/Adjunct Faculty/Professor of Practice

Table No. C5.1: List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	SAMINENI MADHURYA RATNA	Software Developer	Skilltroniks Technologies S2, 2nd Floor, 74&75, Corner Stone Building, 6th Cross, Patel Nanjundappa	Skill Oriented Course(SOC)–“Embedded Systems”	36.00
2	Dr. V. Sandeep	Sr. Manager	NDEEP CONNECT Pvt., Ltd., Hyderabad	Skill Enhancement Course (Internship)- “Foundations of 5G New Radio”	50.00
3	K Bhagya Lakshmi	RTL Design Engineer	Stuam Technologies	VLSI Design	25.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	CHITTAJALLU RADHA	Software Developer	Skilltroniks Technologies S2, 2nd Floor, 74&75, CornerStone Building, 6th Cross, Patel Nanjundappa	Skill Oriented Course (SOC) – “Embedded Systems”	36.00
2	K Bhagya Lakshmi	RTL Design Engineer	Stuam Technologies	VLSI Design	25.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	CHITTAJALLU RADHA	Software Developer	Skilltroniks Technologies S2, 2nd Floor, 74&75, CornerStone Building, 6th Cross, Patel Nanjundappa	Skill Oriented Course (SOC) – “Embedded Systems”	36.00
2	N. Siva Kumar	Design Engineer	QUALCOMM	VLSI	15.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)
1	No. of peer reviewed journal papers published	19	16	15
2	No. of peer reviewed conference papers published	5	15	4
3	No. of books/book chapters published	1	2	6

C7. Sponsored Research Project

Table No. C7.1: List of sponsored research 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. E. Kusuma Kumari	Sri. KSS Kiran	AICTE	Scheme for promoting interest, creativity & ethics among Students (SPICES)	AICTE	1 Year	1.00
Dr. E. Kusuma Kumari	Dr. P. Ashok Kumar	DST-SERB	Design of Portable IoT Enabled Reconfigurable Antennas for Healthcare Monitoring Theory to Practice	DST	1 Year	1.00
						Amount received (Rs.):2.00

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.M. Thamarai	Dr.Purnima K Sharma	ECE	Localization Smart Drainage System and Wrist band for Mosquito Control	DST-SCSP/SEED Division	2 Years and 8 Months	3.00
						Amount received (Rs.):3.00

Total Amount (Lacs) Received for the Past 3 Years: 5.00

Note*:

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

C8. Consultancy Work

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. KNH Srinivas	Dr. T.D.N.S.S. Saveswara Rao	ECE Department	Soil and Water Testing	Sri Godavari Engineering Consultants (India) private LTD	1 Year	1.40
						Amount received (Rs.):1.40

(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. KNH Srinivas	Dr. T.D.N.S.S. Saveswara Rao	ECE Department	Soil and Water Testing	Sri Godavari Engineering Consultants (India) private LTD	1 Year	1.13
Dr. KNH Srinivas	Dr. T.D.N.S.S. Saveswara Rao	ECE Department	Digital Weighing scale board feature enhancing	Hitachi Instruments, Vijayawada	3 months	0.18
						Amount received (Rs.):1.31

(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. KNH Srinivas	Dr. T.D.N.S.S. Saveswara Rao	ECE Department	Soil and Water Testing	Sri Godavari Engineering Consultants (India) private LTD	1 Year	1.35
						Amount received (Rs.):1.35

Total amount (Lacs) received for the past 3 years: 4.06

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. T.D.N.S.S.Sarveswara Rao	Project activity	1 Year	0.75	0.75	Real-time prototypes were created, enhancing practical learning
			Amount received (Rs.): 0.75		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr.SVV Satyanarayana	A CNN to improve the Time Frequency localization in bio medical signals and FPGA implementation	1 Year	5.00	5.00	improves biomedical signal accuracy and enables low-power real-time processing on FPGA for healthcare use
Dr.TDNSS Sarveswararao	IoT based vehicle tracking, water and street light management system	1 Year	2.50	2.50	IoT for vehicle tracking and smart control of water and street lights
			Amount received (Rs.): 7.50		

(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
			Amount received (Rs.): 0		

Total amount (Lacs) received for the past 3 years : 8.25

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	EDC 1 lab	3	Cathode Ray Oscilloscope(0 - 20MHz) 2. Regulated power	30hrs/week/sei	Kavya	lab Technician	B. Tech
2	MWE Lab	3	Cathode Ray Oscilloscope(0-20MHz) 2.Microwave bench setups 3. Digital	24hrs/week/sei	E Narasimha F	Lab Technicia	M.Tech
3	Analog and Digital Communications Laboratory	3	Digital Storage Oscilloscope(0-20MHz) 2. Function	30hrs/week/sei	Surya Kala	Lab Technicia	B. Tech
4	Digital Signal Processing lab LAB	1	Matlab Software R2018b (75 users) 4. DSP Kits TMS320C6713 SDK,	30hrs/week/sei	Naresh	Lab Technicia	B.Sc (Comp)
5	Microprocessor & Microcontroller Lab	1	TASM software, Systems, Microprocessor/ Microcontroller	24hrs/week/sei	Sruja	Lab Technicia	B. Tech
6	ECAD lab	1	Systems, Projector, Mentor Graphics Software, Public Address System,	24hrs/week/sei	M.V.V.Satyana	Lab Technicia	Diploma
7	IOT Lab	1	System, Projector, Raspberry pi 3B+, Arduino Boards	12hrs/week/sei	M.V.V.Satyana	Lab Technicia	Diploma

8	IC & PDC LAB	3	Dual Trace Cathode Ray Oscilloscope (30MHz) 26 2.	24hrs/week/sei	Janibabu	Lab Technicia	B.Tech
9	EDC 2 lab	3	Cathode Ray Oscilloscope(0 - 20MHz) 2. Regulated power	30hrs/week/sei	Shabbir Ali	Lab Technicia	B. Tech

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	IC&PDC Lab/ LICA Lab/ECA Lab	1. Proper earthling of all the equipment 2. Do's and don'ts for students are displayed. 3. Fire Extinguishers and Sand Buckets are provided near to the laboratories. 4. Well trained technical supporting staff is available to do first aid in case of electric shock. 5. Damaged equipment is isolated from the working equipment. 6. Use of cell phones is strictly prohibited. 7. Students are allowed to laboratory only with shoe. 8. At the beginning of every semester safety instructions are given to the students. 9. First AID Kit: 1. Bandage, Cotton, General Medicine is provided
2	DSP Lab& SS Lab	1. Proper earthling of all the equipment 2. Do's and don'ts for students are displayed. 3. Fire Extinguishers and Sand Buckets are provided near to the laboratories. 4. Well trained technical supporting staff is available to do first aid in case of electric shock. 5. Damaged equipment is isolated from the working equipment. 6. Use of cell phones is strictly prohibited. 7. Students are allowed to laboratory only with shoe. 8. At the beginning of every semester safety instructions are given to the students. 9. First AID Kit: 1. Bandage, Cotton, General Medicine is provided
3	EDC Lab 1 & 2	1. Proper earthling of all the equipment 2. Do's and don'ts for students are displayed. 3. Fire Extinguishers and Sand Buckets are provided near to the laboratories. 4. Well trained technical supporting staff is available to do first aid in case of electric shock. 5. Damaged equipment is isolated from the working equipment. 6. Use of cell phones is strictly prohibited. 7. Students are allowed to laboratory only with shoe. 8. At the beginning of every semester safety instructions are given to the students. 9. First AID Kit: 1. Bandage, Cotton, General Medicine is provided
4	MWE Lab	1. Proper earthling of all the equipment 2. Do's and don'ts for students are displayed. 3. Fire Extinguishers and Sand Buckets are provided near to the laboratories. 4. Well trained technical supporting staff is available to do first aid in case of electric shock. 5. Damaged equipment is isolated from the working equipment. 6. Use of cell phones is strictly prohibited. 7. Students are allowed to laboratory only with shoe. 8. At the beginning of every semester safety instructions are given to the students. 9. First AID Kit: 1. Bandage, Cotton, General Medicine is provided
5	Communication Lab (Analog & Digital)	1. Proper earthling of all the equipment 2. Do's and don'ts for students are displayed. 3. Fire Extinguishers and Sand Buckets are provided near to the laboratories. 4. Well trained technical supporting staff is available to do first aid in case of electric shock. 5. Damaged equipment is isolated from the working equipment. 6. Use of cell phones is strictly prohibited. 7. Students are allowed to laboratory only with shoe. 8. At the beginning of every semester safety instructions are given to the students. 9. First AID Kit: 1. Bandage, Cotton, General Medicine is provided
6	R&D Lab (ECA SIMULATION, AC SIMULATION)	1. Proper earthling of all the equipment 2. Do's and don'ts for students are displayed. 3. Fire Extinguishers and Sand Buckets are provided near to the laboratories. 4. Well trained technical supporting staff is available to do first aid in case of electric shock. 5. Damaged equipment is isolated from the working equipment. 6. Use of cell phones is strictly prohibited. 7. Students are allowed to laboratory only with shoe. 8. At the beginning of every semester safety instructions are given to the students. 9. First AID Kit: 1. Bandage, Cotton, General Medicine is provided
7	VLSI Lab/e-CAD Lab/IoT Lab	1. Proper earthling of all the equipment 2. Do's and don'ts for students are displayed. 3. Fire Extinguishers and Sand Buckets are provided near to the laboratories. 4. Well trained technical supporting staff is available to do first aid in case of electric shock. 5. Damaged equipment is isolated from the working equipment. 6. Use of cell phones is strictly prohibited. 7. Students are allowed to laboratory only with shoe. 8. At the beginning of every semester safety instructions are given to the students. 9. First AID Kit: 1. Bandage, Cotton, General Medicine is provided

D3. Project Laboratory/Research Laboratory

The ECE Department is equipped with advanced laboratories that support student and faculty research, innovation, and interdisciplinary projects. Dedicated Centre of Excellence in domains such as IoT, VLSI facilitate cutting-edge research and industry collaboration. These facilities also promote startup incubation and foster a culture of technological entrepreneurship.

S.No.	Name of the Lab	Room Number	Major Equiment	Utilization of the Laboratory
1	Space Club/ Project Lab	A302	1. Desktops (Dell, Acer, Hcl) 2. Raspberry pi 3B+ 3. Zigbee modules S2C 4. Arduino Boards 5. I2C modules 2 6. RTC modules 7. IOT Sensors	Certifications, Aid in class room teaching, In-house projects, Internships.
2	R&D Lab	D-102	1. Softwares like ANSYS, XILINX, PSPICE and Mentor Graphics are available 2. Desktops (HCL,Acer,Hp) 3. Vivitek Projector 4. HFSS TOOL:1 User Academic Research license + 5 User academic teaching license from ANSYS (1+5) 5. ARM CORTEX M3 6. MokuGo kits 7. 8051 DEVOLPMENT BOARD WITH ACCESSORIES 8. STLINK.V2 STM32 10. **Cadence software** (10 users) 11. 7KVA UPS	Certifications, In-house projects, Internship, Research Publications, Innovations or Product Development
3	IOT Centre Of Excellence	E-104	1. Desktops (Access) 2. Raspberry pi 3B+ 3. Zigbee modules S2C 4. Arduino Boards ANSYS (1+5) 5.LORA Gateway 6. LORA Modules	Hackthons, Student Projects Project Exhibitions Outreach through Demonstration of Projects Research Publications
4	Centre of Excellence for VLSI Design	Admin Block 2nd Floor	1. Desktops (HP)-- 16 2. Tools: 1. Cadance Full Bundle 2. Xilinx Vivado ML Edition 23 3.Hardware: 1. Zynq Boards--5 2. Pynq Boards--1	SOC Training, Paprer Publications, Mini Projects, Main Projects, Job Oriented Skill Training.

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
2022-23(CAYm2)	1080	54	54	20	87
2023-24(CAYm1)	1080	54	59	19	94
2024-25(CAY)	1200	60	62	22	90

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 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Infrastructure Built-Up	50000000	48954988	40000000	38006213	20000000	8786089	10000000	4632891
Library	2600000	2567688	2000000	1941117	1500000	1318262	1000000	88061
Laboratory equipment	10000000	1747793	9000000	8693712	3500000	3164678	1500000	1308856
Teaching and non-teaching staff salary	200000000	185616844	180000000	176430091	160000000	146469077	180000000	177245756
Outreach Programs	100000	63000	100000	63100	50000	33811	25000	18741
R&D	500000	426090	500000	800418	500000	1766000	300000	400800
Training, Placement and Industry linkage	2500000	1780188	3000000	2957393	3000000	3076594	2000000	1211450
SDGs	1500000	1416413	0	0	0	0	0	0
Entrepreneurship	25000	17000	25000	17400	20000	15000	10000	10000
Others, specify	90000000	86159930	90000000	84688845	8500000	82366114	50000000	39769427
Total	**357225000**	**328749934**	**324625000**	**313598289**	**197070000**	**246995625**	**244835000**	**224685982**

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 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Laboratory equipment	550000	508300	1700000	1661518	350000	327642	900000	886648
Software	0	0	850000	800000	850000	830425	350000	308000
SDGs	45000	43000	0	0	0	0	0	0
Support for faculty development	20000	18000	50000	48000	15000	14000	15000	12000
R & D	325000	304000	200000	163000	800000	793000	100000	85800
Industrial Training, Industry expert,	150000	120000	150000	125000	200000	182950	100000	100000
Miscellaneous Expenses*	50000	40000	50000	50000	50000	50000	50000	35000

Total	**1140000**	**1033300**	**3000000**	**2847518**	**2265000**	**2198017**	**1515000**	**1427448**