

## PART A : Institutional Information

### A 1. Name and address of the institution:

SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN (Autonomous)

Year of Establishment: 2001

Location of the Institution: Bhimavaram

### A 2. Type of the Institution: (Tick the applicable choice)

City : Bhimavaram

State : Andhra Pradesh

Pincode : 534202

Website: www.svecw.edu.in

Email: info@svecw.edu.in, principal@svecw.edu.in

Phone No (with STD Code): 08816-250864

### A 3. Name and Address of the Affiliating University (if any):

Name of the university: Jawaharlal Nehru Technological University Kakinada (JNTUK)

City : Kakinada

State: Andhra Pradesh

Pin Code : 533003

### A 4. Type of the Institution : - (Tick the applicable choice)

Institution of National Importance ☐

University ☐

Deemed University ☐

Autonomous ☒

Non-Autonomous (Affiliated) ☐

Any Other (Please Specify\*) ☐

**\*Provide Details:** \_\_\_\_\_

### A 5. Ownership status: - (Tick the applicable choice)

Central Government ☐

State Government ☐

Grant-in-Aid ☐

Self-financing Trust ☒

Any Other (Please Specify\*) ☐

**\*Provide Details:** \_\_\_\_\_

**A 6. Details of all the programs being offered by the institution: -**

- ❖ No. of UG Programs : 09
- ❖ No. of PG Programs : 05

**Table No. A 6.1 :** List of all the programs offered by the Institution.

S. No.	Level of Program (UG/PG)	Name of the Program	Year of Start	Year of Close	Name of the Department
1	UG	Computer Science & Engineering	2001-02	-	Computer Science & Engineering
2	UG	Electronics & Communication Engineering	2001-02	-	Electronics & Communication Engineering
3	UG	Information Technology	2001-02	-	Information Technology
4	UG	Electrical & Electronics Engineering	2002-03	-	Electrical & Electronics Engineering
5	UG	Mechanical Engineering	2009-10	-	Mechanical Engineering
6	UG	Civil Engineering	2009-10	-	Civil Engineering
7	UG	Computer Science & Engineering[Artificial Intelligence & Data Science]	2020-21	-	Artificial Intelligence
8	UG	Computer Science & Engineering[Artificial Intelligence & Machine Learning ]	2021-22	-	Artificial Intelligence
9	UG	Computer Science & Engineering[Cyber Security]	2022-23	-	Computer Science & Engineering
10	PG	Power Electronics	2008-09	-	Electrical & Electronics Engineering
11	PG	VLSI Design	2008-09	-	Electronics & Communication Engineering
12	PG	Software Engineering	2009-10	-	Computer Science & Engineering
13	PG	Computer Science & Engineering	2011-12	-	Computer Science & Engineering
14	PG	Master of Business Administration	2008-09	-	Master of Business Administration

**A 7. Programs to be considered for Accreditation vide this Application:****Table No. A7.1:** List of programs to be considered for accreditation.

S. No.	Name of the Department	Name of the Program
1	Computer Science & Engineering	UG : Computer Science & Engineering
2	Electronics & Communication Engineering	UG : Electronics & Communication Engineering
3	Electrical & Electronics Engineering	UG: Electrical & Electronics Engineering
4	Information Technology	UG : Information Technology

**Note:**

- ❖ Keep a list of programs applying for NBA accreditation through this application.

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

S. No.	Name of the Department (in table no. A7.1)	Name of allied Department / Cluster (for table no.A7.1)
1	Computer Science & Engineering	Nil
2	Electronics & Communication Engineering	Nil
3	Electrical & Electronics Engineering	Nil
4	Information Technology	Nil

- ❖ Keep a list of all allied departments/cluster programs with respect to Table No. A7.1.
- ❖ See the Allied Departments/Cluster programs information in Annexure-III.

**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 :  
UG -Electronics and Communication Engineering**

**Table No. 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.	UG - Electronics and Communication Engineering	2001	60	90	2002-03	File No. TAE-124/2003/2287	Granted accreditation for 3 years for the period (2022-2025 up to 30.06.2025)	4 times
				120	2004-05	File No. 730-50-317(E) / ET/2001		
				180	2011-12	F.No. South-Central/ 1-419538663/ 2011/EOA		
				120	2021-22	F.No. South-Central/ 1-9319531949/ 2021/EOA		

\* Write applicable one:

- ❖ Applying first time
- ❖ Granted accreditation for 2/3 years for the period (specify period)
- ❖ Granted accreditation for 5/6 years for the period (specify period)
- ❖ Not accredited (specify visit dates, year).
- ❖ Withdrawn (specify visit dates, year)
- ❖ Not eligible for accreditation.

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

**A. Name of the HoD : Dr. K. Padma Vasavi**

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

- ❖ Regular ☒
- ❖ Contract ☐
- ❖ Ad hoc ☐

**C. Qualification: (Tick the applicable choice)**

- ❖ Ph.D. ☒
- ❖ ME/M.Tech ☐
- ❖ Any other\* ☐

**\*Please provide details:** \_\_\_\_\_

**B3: Program Details**

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

Item (Information is to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	CAY (2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)	CAYm4 (LYG) (2020-21)	CAYm5 (LYGm1) (2019-20)	CAYm6 (LYGm2) (2018-19)
Functioned intake of the program (as per AICTE /Competent authority)	120	120	120	120	180	180	180
Total no. of students admitted in the 1 <sup>st</sup> year minus the no. of students, who migrated to other programs/institutions plus no. of students, who migrated to this program	119	120	111	116	155	180	177
Number of students admitted in 2 <sup>nd</sup> year in the same batch via lateral entry including leftover seats	0	13	19	15	28	18	19
N3= Separate division if any	0	0	0	0	0	0	0
Total no. of students admitted in the 1 <sup>st</sup> year via all supernumerary quotas	10	11	12	12	13	13	0
number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	<b>129</b>	<b>144</b>	<b>142</b>	<b>143</b>	<b>196</b>	<b>211</b>	<b>196</b>

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 1<sup>st</sup> 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 <sup>st</sup> year (as per AICTE/Competent authority)	120	120	120
total no. of students admitted in the 1 <sup>st</sup> year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	119	120	111
total no. of students admitted in the 1 <sup>st</sup> year via all supernumerary quotas	10	11	12
Enrolment Ratio (ER)= (N1+N4)/N	107.50	109.16	102.50
<b>Average ER= (ER_1+ ER_2+ ER_3)/3</b>	<b>106.38</b>		

**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	LYG (2020-21)	LYGm1 (2019-20)	LYGm2 (2018-19)
(No. of students admitted in the 1 <sup>st</sup> year of that batch and those actually admitted in the 2 <sup>nd</sup> 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).	196	204	189
No. of students who graduated from the program in the stipulated course duration	189	199	184
Success Rate (SR)= (B/A)*100	96.42	97.55	97.35
Average SR of three batches ((SR_1+SR_2+ SR_3)/3)	<b>97.10</b>		

**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**
**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 1 <sup>st</sup> 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 <sup>st</sup> year/10)	8.73	8.66	8.51
Y= Total no. of successful students	95	102	98
Z = Total no. of students appeared in the examination	131	122	126
API = X* (Y/Z)	6.33	7.24	6.62
Average API = ( API_1 + API_2 + API_3)/3	<b>6.73</b>		

**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)
(Mean of 2 <sup>nd</sup> 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 <sup>rd</sup> year/10)	8.64	8.61	8.38
Y= Total no. of successful students	117	122	177
Z =Total no. of students appeared in the examination	141	141	191
API = X* (Y/Z)	7.17	7.45	7.77
Average API = ( API_1 + API_2 + API_3)/3	<b>7.46</b>		

**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)
(Mean of 3 <sup>rd</sup> 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 <sup>rd</sup> year/10)	8.82	8.50	8.77
Y= Total no. of successful students	116	169	185
Z= Total no. of students appeared in the examination	140	190	204
API = X* (Y/Z)	7.31	7.56	7.95
Average API = ( API_1 + API_2 + API_3)/3	<b>7.61</b>		

**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	190	204	191
X= No. of students placed	105	187	173
Y= No. of students admitted to higher studies	08	06	09
Z= No. of students taking up entrepreneurship	00	00	00
X + Y + Z =	113	193	182
Placement Index (P) = $((X + Y + Z)/FS) * 100$	P_1 59.47	P_2 94.60	P_3 95.28
Average placement index = $(P_1 + P_2 + P_3)/3$	<b>83.11</b>		

**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 leftover 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**

**CAY: (2024-25)**

S.no	Name of the Faculty	Highest Degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in Current Institute in	Designation at Time Joining this Institution	Present Designation	The date on which Designated as Professor/Associate Professor if any	Nature of Association (Regular/Contract/Adhoc)	If Contractual mention Full time	Currently Associated (Y/N)	Date of Leaving if any(In Case Currently Associated is "No"
1	Dr.K.Padma Vasavi	Ph.D	JNTUH	Digital Image Processing	01/08/2007	17.10	Assistant Professor	Professor & HOD	09/10/2014	Regular		Y	
2	Dr.G.R.L.V.N. S.Raju	Ph.D	AU	Antennas	12/06/2002	23	Assistant Professor	Professor	02/07/2007	Regular		Y	
3	Dr.S.Hanumatha Rao	Ph.D	JNTUH	Communication & Radar systems	16/06/2006	19	Assistant Professor	Professor	09/07/2018	Regular		Y	
4	Dr.M.Prema Kumar	Ph.D	AU	Image Processing	05/06/2007	18	Assistant Professor	Professor	09/07/2018	Regular		Y	
5	Mr.V.Srinivasa Rao	M.Tech	JNTUH	VLSI & Image Processing	04/04/2007	18.2	Associate Professor	Associate Professor	04/04/2007	Regular		Y	

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6	Mr.K.Murthy Raju	M.Tech	JNTUH	Wireless Communication	07/09/2006	18.9	Assistant Professor	Associate Professor	01/12/2007	Regular		Y	
7	Dr.M.Pradeep	Ph.D	AU	Image Processing	20/06/2005	20	Assistant Professor	Associate Professor	22/02/2010	Regular		Y	
8	Dr.M.V.Ganeswara Rao	Ph.D	JNTUK	Image Processing & VLSI	14/06/2007	18	Assistant Professor	Associate Professor	22/02/2010	Regular		Y	
9	Dr.T.Sudheer Kumar	Ph.D	AU	Antennas and Microwaves	17/12/2014	10.6	Associate Professor	Associate Professor	17/12/2014	Regular		Y	
10	Dr.M.V.Subba Rao	Ph.D	Pondicherry University	Wireless Communications	06/04/2015	10.2	Assistant Professor	Associate Professor	09/12/2019	Regular		Y	
11	Dr.P.Ravi Kumar	Ph.D	JNTUK	Wireless communications	11/10/2006	18.8	Assistant Professor	Associate Professor	01/04/2023	Regular		Y	
12	Dr.K S N Raju	Ph.D	CUTM, ODISHA	VLSI Design	13/05/2013	12	Assistant Professor	Associate Professor	01/04/2023	Regular		Y	
13	Dr.Ratikantha Sahoo	Ph.D	NITW	RF & Microwave	27/12/2019	5.6	Assistant Professor	Associate Professor	01/04/2023	Regular		Y	
14	Mr.D.Murali Krishna	M.Tech	JNTUH	Signal Processing	03/06/2009	16	Assistant Professor	Assistant Professor		Regular		Y	
15	Mr.E.R.Praveen Kumar	M.Tech	JNTUK	Speech Signal Processing	02/05/2013	12.1	Assistant Professor	Assistant Professor		Regular		Y	
16	Dr.M.Padmanabha Raju	Ph.D	KLU	Antennas	11/07/2013	11.1	Assistant Professor	Assistant Professor		Regular		Y	
17	Dr.D.Ramesh Varma	Ph.D	CUTM, AP	Antennas	25/05/2017	8	Assistant Professor	Assistant Professor		Regular		Y	
18	Mr.P.Subramanyam	M.Tech	JNTUK	ECE	29/08/2018	6.10	Assistant Professor	Assistant Professor		Regular		Y	

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19	Mrs.V.Radha Haneesha	M.Tech	JNTUK	VLSI Design	17/04/2019	5.4	Assistant Professor	Assistant Professor		Regular		N	31/01/2025
20	Mr.D.Girish Kumar	M.Tech	JNTUK	Communications & Signal Processing	20/05/2019	6	Assistant Professor	Assistant Professor		Regular		Y	
21	Dr.G.Challa Ram	Ph.D	NITAP	Antennas	06/06/2019	6	Assistant Professor	Assistant Professor		Regular		Y	
22	Mr.P.Narasimha Rao	M.Tech	JNTUK	DECS	21/01/2020	5.6	Assistant Professor	Assistant Professor		Regular		Y	
23	Ms.T.Pavani	M.Tech	JNTUK	Communication Systems	26/02/2020	5.5	Assistant Professor	Assistant Professor		Regular		Y	
24	Dr. M. Sumalatha	Ph.D	JNTUK	VLSI Design	01/02/2023	2.4	Assistant Professor	Assistant Professor		Regular		Y	
25	Ms. M. Hemalathaa	M.Tech	JNTUK	VLSI Design	21/03/2023	2.3	Assistant Professor	Assistant Professor		Regular		Y	
26	Mrs.K. Ajitha Lakshmi	M.Tech	JNTUK	VLSI Design	22/05/2023	2	Assistant Professor	Assistant Professor		Regular		Y	
27	Mr. Kharidu Hari Krishna	M.Tech	JNTUK	VLSI and Embedded Systems	02/06/2023	2	Assistant Professor	Assistant Professor		Regular		Y	
28	Dr. Nilesh Kumar Jaiswal	Ph.D	VIT, VELLOR E	VLSI and Embedded Systems	04/01/2024	1.6	Assistant Professor	Assistant Professor		Regular		Y	
29	Mrs.B Vaisalini	M.Tech	JNTUK	VLSI Design	14/08/2024	10 Months	Assistant Professor	Assistant Professor		Regular		Y	
30	Mrs.K Swathi	M.Tech	JNTUH	ECE	17/09/2024	9 Months	Assistant Professor	Assistant Professor		Regular		Y	

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**CAYm1: (2023-24)**

.no	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/Adhoc)	If Contractual mention Full time or Parttime	Currently Associated (Y/N)	Date of Leaving if any(In Case Currently Associated is "No"
1	Dr.K.Padma Vasavi	Ph.D	JNTUH	Digital Image Processing	01/08/2007	16.10	Assistant Professor	Professor & HOD	09/10/2014	Regular		Y	
2	Dr.G.R.L.V.N. S.Raju	Ph.D	AU	Antennas	12/06/2002	22	Assistant Professor	Professor	02/07/2007	Regular		Y	
3	Dr.S.Hanumatha Rao	Ph.D	JNTUH	Communication & Radar systems	16/06/2006	18	Assistant Professor	Professor	09/07/2018	Regular		Y	
4	Dr.M.Prema Kumar	Ph.D	AU	Image Processing	05/06/2007	17	Assistant Professor	Professor	09/07/2018	Regular		Y	
5	Mr.V.Srinivasa Rao	M.Tech	JNTUH	VLSI & Image Processing	04/04/2007	17.2	Associate Professor	Associate Professor	04/04/2007	Regular		Y	
6	Mr.K.Murthy Raju	M.Tech	JNTUH	Wireless Communication	07/09/2006	17.9	Assistant Professor	Associate Professor	01/12/2007	Regular		Y	
7	Dr.M.Pradeep	Ph.D	AU	Image Processing	20/06/2005	19	Assistant Professor	Associate Professor	22/02/2010	Regular		Y	
8	Dr.M.V.Ganeswara Rao	Ph.D	JNTUK	Image Processing & VLSI	14/06/2007	17	Assistant Professor	Associate Professor	22/02/2010	Regular		Y	
9	Dr.T.Sudheer Kumar	Ph.D	AU	Antennas and	17/12/2014	9.6	Associate Professor	Associate Professor	17/12/2014	Regular		Y	

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				Microwaves									
10	Dr.M.V.Subba Rao	Ph.D	Pondicherry University	Wireless communications	06/04/2015	9.2	Assistant Professor	Associate Professor	09/12/2019	Regular		Y	
11	Dr.P.Ravi Kumar	Ph.D	JNTUK	Wireless communications	11/10/2006	17.8	Assistant Professor	Associate Professor	01/04/2023	Regular		Y	
12	Dr.K S N Raju	Ph.D	CUTM, ODISHA	VLSI Design	13/05/2013	11	Assistant Professor	Associate Professor	01/04/2023	Regular		Y	
13	Dr.Ratikantha Sahoo	Ph.D	NITW	RF & Microwave	27/12/2019	4.6	Assistant Professor	Associate Professor	01/04/2023	Regular		Y	
14	Mr.D.Murali Krishna	M.Tech	JNTUH	Signal Processing	03/06/2009	15	Assistant Professor	Assistant Professor		Regular		Y	
15	Mr.E.R.Praveen Kumar	M.Tech	JNTUK	Speech Signal Processing	02/05/2013	11.1	Assistant Professor	Assistant Professor		Regular		Y	
16	Dr.M.Padmanabha Raju	Ph.D	KLU	Antennas	11/07/2013	10.1	Assistant Professor	Assistant Professor		Regular		Y	
17	Mr.T.Sairam Vamsi	M.Tech	JNTUK	Embedded Systems	23/04/2015	9.2	Assistant Professor	Assistant Professor		Regular		N	14/05/2024
18	Mr.M A S Mohan Raju	M.Tech	JNTUK	Mobile Computing Technology	15/06/2015	9	Assistant Professor	Assistant Professor		Regular		N	05/06/2024
19	Dr.D.Ramesh Varma	Ph.D	CUTM, AP	Antennas	25/05/2017	7	Assistant Professor	Assistant Professor		Regular		Y	
20	Mr.P.Subramanyam	M.Tech	JNTUK	ECE	29/08/2018	5.10	Assistant Professor	Assistant Professor		Regular		Y	
21	Mrs.V.Radha Haneesha	M.Tech	JNTUK	VLSI Design	17/04/2019	4.4	Assistant Professor	Assistant Professor		Regular		Y	
22	Mr.D.Girish Kumar	M.Tech	JNTUK	Communications & Signal Processing	20/05/2019	5	Assistant Professor	Assistant Professor		Regular		Y	
23	Mr.G.Challa Ram	M.Tech	AU	Antennas	06/06/2019	5	Assistant Professor	Assistant Professor		Regular		Y	
24	Mr.P.Narasimha Rao	M.Tech	JNTUK	DECS	21/01/2020	4.6	Assistant Professor	Assistant Professor		Regular		Y	
25	Ms.T.Pavani	M.Tech	JNTUK	Communica		4.5	Assistant	Assistant		Regular		Y	

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				tion Systems	26/02/ 2020		Professor	Professor					
26	Mrs.D.Maha lakshmi	M.Tech	JNTUK	VLSI Design	23/12/ 2020	3.6	Assistant Professor	Assistant Professor		Regular		N	23/05/ 2024
27	Dr. M. Sumalatha	Ph.D	JNTUK	VLSI Design	01/02/ 2023	1.4	Assistant Professor	Assistant Professor		Regular		Y	
28	Ms. M. Hemalathaa	M.Tech	JNTUK	VLSI Design	21/03/ 2023	1.3	Assistant Professor	Assistant Professor		Regular		Y	
29	Mrs.K. Ajitha Lakshmi	M.Tech	JNTUK	VLSI Design	22/05/ 2023	1	Assistant Professor	Assistant Professor		Regular		Y	
30	Mr. Kharidu Hari Krishna	M.Tech	JNTUK	VLSI and Embedded Systems	02/06/ 2023	1	Assistant Professor	Assistant Professor		Regular		Y	

**NBA DATA CAPTURING POINTS – UG :: ELECTRONICS & COMMUNICATIONS ENGINEERING**

**CAYm2: (2022-23)**

S.no	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/Adhoc)	If Contractual mention Full time	Currently Associated (Y/N)	Date of Leaving if any(In Case Currently Associated is "No"
1	Dr.K.Padma Vasavi	Ph.D	JNTUH	Digital Image Processing	01/08 /2007	15.10	Assistant Professor	Professor & HOD	09/10 /2014	Regular		Y	
2	Dr.G.R.L.V.N. S.Raju	Ph.D	AU	Antennas	12/06 /2002	21	Assistant Professor	Professor	02/07 /2007	Regular		Y	
3	Dr.K.Pushpa	Ph.D	OU	Communications & Signal Processing	28/03 /2011	12.2	Professor	Professor	28/03 /2011	Regular		N	29/05/ 2023
4	Dr.S.Hanumatha Rao	Ph.D	JNTUH	Communication & Radar systems	16/06 /2006	17	Assistant Professor	Professor	09/07 /2018	Regular		Y	
5	Dr.M.Prema Kumar	Ph.D	AU	Image Processing	05/06 /2007	16	Assistant Professor	Professor	09/07 /2018	Regular		Y	
6	Mr.V.Srinivasa Rao	M.Tech	JNTUH	VLSI & Image Processing	04/04 /2007	16.2	Associate Professor	Associate Professor	04/04 /2007	Regular		Y	
7	Mr.K.Murthy Raju	M.Tech	JNTUH	Wireless Communication	07/09 /2006	16.9	Assistant Professor	Associate Professor	01/12 /2007	Regular		Y	
8	Dr.M.Pradeep	Ph.D	AU	Image Processing	20/06 /2005	18	Assistant Professor	Associate Professor	22/02 /2010	Regular		Y	
9	Dr.M.V.Gane	Ph.D	JNTUK	Image	14/06	16	Assistant	Associate	22/02	Regular		Y	

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	swara Rao			Processing & VLSI	/2007		Professor	Professor	/2010				
10	Dr.T.Sudheer Kumar	Ph.D	AU	Antennas and Microwaves	17/12 /2014	9.6	Associate Professor	Associate Professor	17/12 /2014	Regular		Y	
11	Dr.M.V.Subba Rao	Ph.D	Pondicherry University	Wireless communications	06/04 /2015	8.2	Assistant Professor	Associate Professor	09/12 /2019	Regular		Y	
12	Dr.P.Ravi Kumar	Ph.D	JNTUK	Wireless communications	11/10 /2006	16.8	Assistant Professor	Associate Professor	01/04 /2023	Regular		Y	
13	Mr.D.Murali Krishna	M.Tech	JNTUH	Signal Processing	03/06 /2009	14	Assistant Professor	Assistant Professor		Regular		Y	
14	Mr.E.R.Praveen Kumar	M.Tech	JNTUK	Speech Signal Processing	02/05 /2013	10.1	Assistant Professor	Assistant Professor		Regular		Y	
15	Mr.A.Narayana Kiran	M.Tech	JNTUK	VLSI Design	04/05 /2013	10.1	Assistant Professor	Assistant Professor	-	Regular		N	12/05/ 2023
16	Dr.K S N Raju	Ph.D	CUTM, ODISHA	VLSI Design	13/05 /2013	10	Assistant Professor	Associate Professor	01/04 /2023	Regular		Y	
17	Ms.K.Priyanka	M.Tech	JNTUK	VLSI & Embedded Systems	06/12 /2013	9.6	Assistant Professor	Assistant Professor		Regular		N	07/06/ 2023
18	Dr.M.Padmanabha Raju	Ph.D	KLU	Antennas	11/07 /2013	9.1	Assistant Professor	Assistant Professor		Regular		Y	
19	Mr.T.Sairam Vamsi	M.Tech	JNTUK	Embedded Systems	23/04 /2015	8.2	Assistant Professor	Assistant Professor		Regular		Y	
20	Mr.M A S Mohan Raju	M.Tech	JNTUK	Mobile Computing Technology	15/06 /2015	8	Assistant Professor	Assistant Professor		Regular		Y	
21	Ms.V.Yamini	M.Tech	JNTUK	VLSI Design	03/08 /2016	6.10	Assistant Professor	Assistant Professor		Regular		N	07/06/ 2023
22	Ms.T.Sruthi	M.Tech	AU	Communication Systems	19/04 /2017	6.2	Assistant Professor	Assistant Professor		Regular		N	07/06/ 2023
23	Mr.D.Ramesh Varma	M.Tech(P h.D)	JNTUK	Antennas	25/05 /2017	6	Assistant Professor	Assistant Professor		Regular		Y	



**NBA DATA CAPTURING POINTS – UG :: ELECTRONICS & COMMUNICATIONS ENGINEERING**

24	Mrs.K.Bhuvan neswari	M.Tech	JNTUK	VLSI Design	01/06 /2018	5	Assistant Professor	Assistant Professor	-	Regular		N	24/05/ 2023
25	Mr.P.Subram anyam	M.Tech	JNTUK	ECE	29/08 /2018	4.10	Assistant Professor	Assistant Professor		Regular		Y	
26	Mrs.V.Radha Haneesha	M.Tech	JNTUK	VLSI Design	17/04 /2019	3.4	Assistant Professor	Assistant Professor		Regular		Y	
27	Mr.D.Girish Kumar	M.Tech(P h.D)	JNTUK	Communica tions & Signal Processing	20/05 /2019	4	Assistant Professor	Assistant Professor		Regular		Y	
28	Mr.G.Challa Ram	M.Tech(P h.D)	AU	Antennas	06/06 /2019	4	Assistant Professor	Assistant Professor		Regular		Y	
29	Mr.P.Sita Ram	M.Tech (Ph.D)	JNTUK	DECS	21/08 /2019	3.10	Assistant Professor	Assistant Professor	-	Regular		N	07/06/ 2023
30	Dr.Ratikanth a Sahoo	Ph.D	NITW	RF & Microwave	27/12 /2019	3.6	Assistant Professor	Associate Professor	01/04 /2023	Regular		Y	
31	Mr.P.Narasim ha Rao	M.Tech	JNTUK	DECS	21/01 /2020	3.6	Assistant Professor	Assistant Professor		Regular		Y	
32	Mr.S.Teja	M.Tech	JNTUK	Communica tion Systems	10/02 /2020	3.5	Assistant Professor	Assistant Professor		Regular		N	12/05/ 2023
33	Ms.T.Pavani	M.Tech	JNTUK	Communica tion Systems	26/02 /2020	3.5	Assistant Professor	Assistant Professor		Regular		Y	
34	Mrs.D.Maha lakshmi	M.Tech	JNTUK	VLSI Design	23/12 /2020	2.6	Assistant Professor	Assistant Professor		Regular		Y	
35	Ms.K.Anusha	M.Tech	JNTUK	VLSI Design	28/12 /2020	2.5	Assistant Professor	Assistant Professor		Regular		N	24/05/ 2023
36	Ms.Ch Lakshmi Jyothi	M.Tech	JNTUK	VLSI Design	28/12 /2020	2.5	Assistant Professor	Assistant Professor		Regular		N	07/06/ 2023
37	Ms.S Ranjitha	M.Tech	JNTUK	VLSI Design	28/12 /2020	2.5	Assistant Professor	Assistant Professor		Regular		N	07/06/ 2023
38	Ms. S.T.P.S.S.Ak hila	M.Tech	JNTUK	VLSI Design	11/02 /2021	2.3	Assistant Professor	Assistant Professor		Regular		N	07/06/ 2023

## C2: Student-Faculty Ratio

- ❖ No. of UG(Engineering) programs in Department including allied departments/clusters (UG<sub>n</sub>):
  - UG1=1<sup>st</sup> UG program
  - UG<sub>n</sub>=n<sup>th</sup> UG program
    - **B**= No. of Students in UG 2<sup>nd</sup> year (**ST**)
    - **C**= No. of Students in UG 3<sup>rd</sup> year (**ST**)
    - **D**= No. of Students in UG 4<sup>th</sup> year (**ST**)
- ❖ No. of PG (Engineering) programs in Department including allied departments/clusters (PG<sub>m</sub>):
  - PG1=1<sup>st</sup> PG program.
  - PG<sub>m</sub>=m<sup>th</sup> PG program
    - **A**= No. of Students in PG 1<sup>st</sup> year
    - **B**= No. of Students in PG 2<sup>nd</sup> year
- ❖ Student Faculty Ratio (**SFR**) = S/F
  - **S**= No. of students of all programs in the Department including all students of allied departments/clusters.
    - No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)
    - Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.
  - **F**=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

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

Year	CAY (2024-25)	CAYm1(2023-24)	CAYm2(2022-23)
UG1. B // 2 <sup>nd</sup> year students of UG1 program	132	132	132
UG1. C // 3 <sup>rd</sup> year students of UG1 program	132	132	198
UG1. D // 4 <sup>th</sup> year students of UG1 program	132	198	198
UG1//Total no.of students (2nd, 3rd, 4th) in UG1 program	396	462	528
PG1. A // 1 <sup>st</sup> year students of PG1 program	18	18	18
PG1. B // 2 <sup>nd</sup> year students of PG1 program	18	18	18
PG1//Total no.of students (1st, 2nd) in PG1 program	36	36	36
S=Total no. of students in all UG and PG programs in the Department	432	498	564
S=Total no. of students in all UG and PG programs in the Allied Departments	0	0	0
Total no. of students in the Department (DF) and allied Departments (AF)	<b>432</b>	<b>498</b>	<b>564</b>

DF=Total no. of faculty members in the Department	29	30	30
AF=Total no. of faculty members in the allied Department	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	29	30	38
= Faculty Members in F who have a 100% teaching load in the first-year courses	01	01	01
<b>Student Faculty Ratio (SFR)=S/(F-FF)</b>	<b>SFR1 = 15.42</b>	<b>SFR2 = 17.17</b>	<b>SFR3 = 15.24</b>
Average SFR for 3 years	Average SFR= (15.42+17.17+15.24)/3 = 15.94		

### 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 5.1 of SAR; (RF=S/20).

**Table No.C3.1:** Faculty qualification.

Year	X	Y	RF	FQI= $2.5 * [(10X + 4Y)/RF]$
<b>CAY (2024-25)</b>	16	13	22	24.09
<b>CAYm1 (2023-24)</b>	14	16	25	20.40
<b>CAYm2 (2022-23)</b>	13	25	29	19.83
<b>Average Assessment</b>				<b>21.44</b>

### C4: Faculty Cadre Proportion

- ❖ Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required =  $1/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section 5.1 of SAR.}$
- RF2= No. of Associate Professors required =  $2/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section 5.1 of SAR.}$
- RF3= No. of Assistant Professors required =  $6/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section 5.1 of SAR.}$
- ❖ 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 Faculty(RF1)	Available Faculty(AF1)	Required Faculty(RF2)	Available Faculty(AF2)	Required Faculty(RF3)	Available Faculty(AF3)
<b>CAY (2024-25)</b>	3	4	5	7	15	18

<b>CAYm1 (2023-24)</b>	3	4	6	7	17	19
<b>CAYm2 (2022-23)</b>	4	5	7	4	20	29
<b>Average Numbers</b>	RF1=4	AF1=5	RF2=6	AF2=6	RF3=18	AF3=22

#### C5: Visiting/Adjunct Faculty/Professor of Practice

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

S.N.	Name of the Person	Designation & Organization	Name of the Course	No. of hours handled
<b>CAYm1 (2023-24)</b>				
<b>1</b>	Dr.Y Avinash	Senior Engineer, Intel	Digital Logic Design	52
<b>2</b>	Mrs M Sowmya	Mask Design Engineer, Intel	Digital Design through Verilog	50
<b>Total no. of hours:</b>				102
<b>CAYm2 (2022-23)</b>				
<b>1</b>	Dr.Y Avinash	Senior Engineer, Intel	Digital Logic Design	60
<b>2</b>	Mrs M Sowmya	Mask Design Engineer, Intel	VLSI Design	55
<b>Total no. of hours:</b>				115
<b>CAYm3 (2021-22)</b>				
<b>1</b>	Dr.Y Avinash	Senior Engineer, Intel	Digital Logic Design	54
<b>2</b>	Mrs M Sowmya	Mask Design Engineer, Intel	VLSI Design	55
<b>Total no. of hours:</b>				109

#### C6. Academic Research

**Table No. C6.1:** Faculty publication details.

S. No	Item	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
1	No. of peer reviewed journal papers published	13	11	05
2	No. of peer reviewed conference papers published	29	20	11
3	No. of books/book chapters published	03	04	14

### C7. Sponsored Research Project

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

S. No	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)
<b>CAYm1(2023-24)</b>							
1	Dr. S. Hanumant ha Rao	Dr.K.Jagade sh Dr.K.Ganes h Kadiyala	ECE	Establishment of Community Resilience Resource Centre (CRRC) in Bhimavara m Block, West Godavari District, Andhra Pradesh State	DST	2024-27	1,24,88,182/-
2	Dr. K. Padma Vasavi	Dr. M V Ganeswara Rao	ECE	Memory Optimized Co Processor for Enhanced Edge AI	Ministry of Electronics & Informatio n Technology	2024-29	64,55,000/-
3	Dr. T. Sudheer Kumar	Dr. M.V. Subba Rao	ECE	Creation of Awareness towards Children Centric Science learning through Technology Enabled Learning	DST	2023-24	25,72,500/-
<b>Amount received (Rs.)</b>							<b>2,15,15,682/-</b>
<b>CAYm2(2022-23)</b>							
1	Dr. M PremKu mar		ECE	Empowering rural women towards making a pickle business in a global arena	National Coordinati ng Institute UBA 2.0 (IIT Delhi)	2022-23	1,00,000/-
2	Dr. G.S Rao	Dr. K. Padma Vasavi	ECE	Consolidation of University Research for Innovation and Excellence (CURIE) Core grant for PG Colleges	DST	2022-25	58,23,360/-
<b>Amount received (Rs.)</b>							<b>59,23,360/-</b>
<b>CAYm3(2021-22)</b>							

1	Dr. G.S Rao	Dr. K Padma Vasavi Dr. M PremKumar Dr S Hanumath Rao Dr. P Ravi Kumar	ECE	Establishment of Science Technology and Innovation Hub (STI) - at Shri Vishnu Engineering College for Women	DST	2020-24	3,15,38,570/-
2	Dr. G.S Rao	Dr. K. PadmaVasavi Ms. K Priyanka	ECE	Establishment of NIDHI Technology Business Incubator (TBI) - "SVECW-NIDHI-TBI" at Shri Vishnu Engineering	DST	2021-26	4,69,68,000/-
3	Dr. N Prasad	Dr.G.R.L.V. N.S.Raju	ECE	Development and Implementation of Telephony Speech Enhancement Algorithms Using Data Hiding Techniques for Hearing-Impaired People	DST	2019-22	51,58,843/-
<b>Amount received (Rs.)</b>							<b>8,36,65,413/-</b>
<b>Total Amount (Lacs) Received for the Past 3 Years</b>							<b>11,11,04,455/-</b>

### C8. Consultancy Work

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

S. No	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)
<b>CAYm1(2023-24)</b>							
1	Dr. K. Padma Vasavi		ECE	OCR Recognition for Performing Remote Transactions	IoN Exchange	2023-24	3,20,000/-
2	Dr. S. Hanumantha Rao		ECE	Radio Projects	Ministry of Culture & CRA	2023-24	1,12,800/-
<b>Amount received (Rs.)</b>							<b>4,32,800/-</b>
<b>CAYm2(2022-23)</b>							
1	Dr. K. Padma		ECE	Intelligent Insulation Fault	Precious Life	2022-23	4,10,000

	Vasavi			Detector in Laparoscopic Electrosurgical Instruments	Medical Technologies Pvt. Ltd, Bangalore		
2	Dr. S. Hanumantha Rao		ECE	Radio Projects	UNICEF	2022-23	7,78,600/-
<b>Amount received (Rs.)</b>							<b>11,88,600</b>
<b>CAYm3(2021-22)</b>							
1	Mr. G. Challa Ram		ECE	Water Quality Treatment with IoT	IoN Exchange	2021-22	3,22,000/-
2	Dr. S. Hanumantha Rao		ECE	Radio Projects	UNICEF	2021-22	5,10,000/-
<b>Amount received (Rs.)</b>							<b>8,32,000/-</b>
<b>Total Amount (Lacs) Received for the Past 3 Years</b>							<b>24,53,400/-</b>

**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. No	Faculty name	Project title/ Support for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the project
<b>CAYm1(2023-24)</b>						
1	Dr. K. Padmavasavi	E-Trike	6months	1,50,000/-	1,50,000/-	01-Working Model
2	Dr.G.Challa Ram	Smart sole	6months	5,000/-	5,000/-	01-Working Model
3	Mr.D.Girish Kumar	Senso ball	6months	5,500/-	5,500/-	01-Working Model
4	Mrs.M.Hemalatha	Tactiles up and down	6months	5,000/-	5,000/-	01-Working Model
<b>Amount received (Rs.)</b>						<b>1,74,500/-</b>
<b>CAYm2(2022-23)</b>						
1	Dr. K. Padmavasavi	E-Trike	6months	1,65,103/-	1,65,130/-	01-Working Model
2	Mr. D. Girish Kumar	Auto Braille	7months	1,05,680/-	1,05,680	01-Working Model
3	Mr. D. Ramesh Varma	E-Stick for Visually Challenged	6months	4,760/-	4,760/-	01-Working Model
4	Mr. G. Challa Ram	Datura Flower	6months	11,780/-	11,780/-	01-Working Model
5	Mr. A.Narayana	Human Heart	6months	12,940/-	12,940/-	01-Working Model

	Kiran					
6	Dr. R. Viswanadham	Body Parts Identifier	6months	10,350/-	10,350/-	01-Working Model
<b>Amount received (Rs.)</b>						<b>3,10,613/-</b>
<b>CAYm3(2021-22)</b>						
1	Dr. K. Padma vasavi	E-Trike	6months	1,65,103/-	1,65,103/-	01-Working Model
2	Dr. T. Sudheer Kumar	A Smart Navigation Jacket for Visually Impaired	6months	15,600/-	15,600/-	01-Working Model
3	Mr.D.Girish Kumar	E-STICK for Visually Challenged	6months	11,650/-	11,650/-	01-Working Model
4	Mr. A. Narayana Kiran	Datura Flower	6months	8,140/-	8,140/-	01-Working Model
5	Mr. D. Ramesh Varma	Human Heart	6months	12,940/-	12,940/-	01-Working Model
6	Mr. G. Challa Ram	Vibro Tactile Alert	6months	4,550/-	4,550/-	01-Working Model
7	Dr. R. Viswanadham	Auto Clave Hiss Indicator	6months	8,050/-	8,050/-	01-Working Model
<b>Amount received (Rs.)</b>						<b>2,26,033/-</b>
<b>Total Amount (Lacs) Received for the Past 3 Years (Rs.)</b>						<b>7,11,146/-</b>



**PART-D: Laboratory Infrastructure in the Department**

(Data to be filled in for the Department)

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

**Table No. D1.1:** List of laboratories and technical manpower.

S. No.	Name of the Laboratory	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 lab	3	Function Generators (1Hz-1 MHz) Decade Resistance Boxes ( $1\Omega$ - $1m\Omega$ ) Decade Capacitance Boxes (100 Pf - $10\mu f$ ) Decade Inductance Boxes ( $10\mu h$ - 100 Mh) Analog Dc Ammeters Analog Dc Voltmeters Digital Multimeter - 3.5 Dig (Hand Held) Stabilizer (10kva, 22amps) Regulated Dual Power Supply (0-30v) Dual Trace Oscilloscope (30 MHz)	100%	Mr.A.Sri Ram Varma	Lab Technician	Diploma
2.	Communication Lab	3	LCRQ Meter Spectrum Analyzer, (0.15-500 MHz) Function Generator (1-10 MHz) Digital Multimeter - 3.5 Dig (Hand Held) Digital Storage Oscilloscope (70MHz, Make: Scientific, Model:SM702) Hand Held Digital Multimeter (True RMS, 3.5 Digital Make: Scientific, Model: SM7023) Dual channel RPS 0-30v/3A, (Make : Scientific, Model: PSD3203 )	65%	Mr.G.Padma Rao	Lab Technician	Diploma
3.	Linear IC Applications Lab	3	Cathode Ray Oscilloscopes (20MHz), (30MHz) Regulated Power Supply voltages (0-30V) Function Generators (0-1MHz) Scientific Function generator (10MHz) Fixed Power Supply Voltages Digital IC tester	50%	Mr.M.Satya Chaitanya	Lab Technician	Diploma

			Analog IC tester Digital IC trainer Kits Linear IC trainer Kits Digital Multi meters – CIE122				
4.	Microprocessor and Microcontroller Lab	1	Single chip MCU Trainer based on 89C51ED2 with USB comm. & user Manual ESA MCB 51 analog with power Adapter ADP DC5 Dual DAC Interface with User Manual: Model IF-DDAC analog with power supply ESA PS M2 4 * 4 Matrix Hex Keypad interface with User Manual Model: IF-Hex KPD Stepper Moter interface with stepper motor(3Kgcm) & Power adapter with User manual: Model IF-STEP Logic Controller interface with User Manual; Model IF-LC KEIL PK51-ED25-LC (C51 Professional Developer's Kit 25 user class room (Node Locked) License, Electronic Delivery Arduino Kits 1.6.3 (Development Boards)	100%	Mr.Ch.Santhosh	Lab Technician	B.Tech
5.	Microwave and Optical Communication Lab	3	Scientific Cro -(30 MHz) Digital Multimeter Klystron Power Supply Function Generator-(1-10 MHz) VSWR Meter Gun Diode Bench Set Up Circulator Bench Set Up MHD Coupler Bench Set Up Fiber Optic Digital Link Trainer Kit Laser Diode Trainer Kit Led Fiber Optic Comm. Kit Laser Diode Trainer Kit Antenna Trainer (50 - 850 MHz) Micro Strip Antenna Trainer (850 MHz To 1300 MHz) Ansoft HFSS Academic Bundle (5 Users)	50%	Mr.M.Prashanth	Lab Technician	Diploma
6.	Digital Signal Processing Lab	1	HP Computers Cathode Ray Oscilloscopes Function Generator	100%	Mr.Ch.Chandra Sekhar	Lab Technician	Diploma

			Digital Multi Meter Ups System (11kva) Scanner And Hp Laser Printer LCD Projector DSP Trainer Kits- VSK 6713, Vsk5416 DSP Trainer Kits Under Modrobs- TMS320c6416 DSP Starterkit (Dsk) TMS320c6416+Image/Vedio Interfacing Card +Image Vedio Daughter Card With On Board Display With Code Coposer Studio Heterogeneous Platform For Image & Video Application Xtremes DSP Kit Gian Measuring Instruments Public Addressing System Analog Discovery Kits Texas Instruments Analog Kits National Instrument Tools –Ni Software (50users) Lab View Software (5users) Digital Findus Camera Math works Campus wide Suite Software				
7.	VLSI Lab	1	Xilinx ISE Foundation Xup Spartan 3e With USB Cable Computer: Hp Pro 3330 -I3 Processors, Monitor: Hp 18.5wide Colour Cadence University Bundle No Of Licenses: 20, No of Years: 3 Years FPGA Boards : PynqZ2, PynqZU, Zynq ultra Scale+ MPSoC ZCUI04 Kria KR 260, Kria KV, Arty A7 -100T Pmod : KYPD, OLED, DA2, TPH2 UEF – VIVADO and MATSIM Bundles Synopsis, Cadence, Siemens EDA Tools Boolean Board and Urbana Board	80%	Mr.P.Chiranjeevi Varma	Lab Technician	Diploma

## D2: Safety Measures in Laboratories

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

S.N.	Name of the Laboratory	Safety measures
1.	Electronic Devices and Circuits lab	<p>Do's and Don'ts and Safety measure rules are displayed in each laboratory.</p> <p>First Aid Box is always available at Department office in case of emergency.</p> <p>Proper earthing has been done.</p> <p>MCB's are available in each laboratory.</p> <p>Fire extinguisher is available.</p> <p>Always disconnect a plug by pulling on the connector body not the cable.</p> <p>Students are instructed to avoid direct contact with any voltage source and Power line voltages.</p> <p>Students must assure that their hands are dry and not standing on wet floor.</p> <p>Disconnect any device from the circuit before service.</p> <p>Never bypass fuses or circuit breakers.</p> <p>Keep electrical service and breaker panels accessible at all times.</p> <p>Keep all cords and wires out of foot traffic areas and do not roll chairs over electrical cords or wires.</p> <p>Electrical equipment and connections should not be handled with wet hands, nor should they be used after liquid has been spilled on it.</p> <p>All lighting stands must be properly secured.</p> <p>Avoid using extension cords. Extension cords are intended for temporary use only. If additional wall receptacles are needed. Never overload a circuit.</p> <p>Laboratory equipment must be plugged directly into a wall holder. It must not be supplied power via extension cords or power strips.</p> <p>Avoid the use of condemned equipment and provides needful equipment and components.</p> <p>Appropriate storage areas</p> <p>Students must wear the Aprons&amp; Shoes.</p> <p>Students must make sure that the electric supply is OFF before giving connections.</p>
2.	Communications Lab	
3.	Microwave and Optical Communications Lab	
4.	Linear IC Applications Lab	
5.	VLSI Lab	<p>Do's and Don'ts and Safety measure rules are displayed in each laboratory.</p> <p>First Aid kit is available at department office in case of emergency.</p> <p>Fire Extinguisher is available in the Laboratory in case of fire emergency</p> <p>Shut down the system once you are done using it.</p> <p>Students must assure that their hands are dry and not standing on wet floor.</p> <p>Do not plug in external devices without scanning them for computer viruses.</p> <p>Ensure that the temperature in the room stays cool. This is one of the many ways of ensuring computer safety.</p> <p>Try not to touch any of the circuit boards and power sockets when a device is connected to them and switched on.</p> <p>Cyberome and USB disk security used in these labs.</p>
6.	Microprocessors and Microcontrollers Lab	
7.	Digital Signal Processing Lab	

		<p>Always maintain an extra copy of all your important data files.</p> <p>Examine earthing of line circuits periodically and always prior to use.</p> <p>Students are instructed to avoid direct contact with any voltage source and Power line voltages.</p>
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**D3: Project Laboratory/Research Laboratory**

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

S. No.	Name of the Laboratory
1.	Vishnu Space Application Center
2.	Assistive Technology Lab
3.	Texas Instruments - DSP
4.	Microchip
5.	Computer Vision Research Lab
6.	PCB Lab
7.	Projects Lab

**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)**

<b>Table No. E1.1:</b> FYSFR details.Year	<b>Sanctioned intake of all UG programs (S4)</b>	<b>No. of required faculty (RF4= S4/20)</b>	<b>No. of faculty members in Basic Science Courses &amp; Humanities and Social Sciences including Mmanagement courses (NS1)</b>	<b>faculty members in Engineering Science Courses (NS2)</b>	<b>Percentage= No. of faculty members ((NS1*0.8) +(NS2*0.2))/(No. of required faculty (RF4)); Percentage=((NS1* 0.8)+(NS2*0.2))/RF</b>
CAY : (2024-25)	1046	52	43	13	0.73
CAYm1 : (2023-24)	1032	52	44	13	0.72
CAYm2 : (2022-23)	987	49	43	12	0.75

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

**Table No. E2.1:** Budget and actual expenditure incurred at Institute level

<b>Items</b>	<b>Budgeted in CFY 2024-25</b>	<b>Actual expenses in CFY 2024-25</b>	<b>Budgeted in CFYm1 2023-24</b>	<b>Actual Expenses in CFYm1 2023-24</b>	<b>Budgeted in CFYm2 2022-23</b>	<b>Actual Expenses in CFYm2 2022-23</b>	<b>Budgeted in CFYm3 2021-22</b>	<b>Actual Expenses in CFYm3 2021-22</b>
Infrastructure Built-Up	8500000	5836325	13600000	13142381	7800000	7578803	8100000	7889432
Library	2200000	2004588	700000	649520	1850000	1694023	1350000	1329356
Laboratory equipment	50000000	48017418	63150000	61292177	29000000	27893493	17500000	16892887
Teaching and non-teaching staff salary	255000000	251588597	227500000	220898071	184000000	182771049	163000000	161591196
Outreach Programs	900000	374081	800000	458794	900000	751328	1200000	952221
R&D	6300000	6137311	5200000	5157669	5400000	5290207	4300000	4262596
Training, Placement and Industry linkage	9500000	6129256	10500000	9983394	5300000	5070981	9000000	8726081

SDGs	5500000	5179756	5000000	4870082	4200000	3922106	2500000	2421773
Entrepreneurs hip	300000	250121	100000	69721	75000	29011	50000	5000
Others*, pl. specify	195000000	185097322	190000000	190456345	182000000	172759932	194000000	184627590
<b>Total amount</b>	533200000	51061477	516550000	506978154	420525000	407761033	401000000	388698132

### 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 2024-25	Actual expenses in CFY 2024-25	Budgeted in CFYm1 2023-24	Actual Expenses in CFYm1 2023-24	Budgeted in CFYm2 2022-23	Actual Expenses in CFYm2 2022-23	Budgeted in CFYm3 2021-22	Actual Expenses in CFYm3 2021-22
Laboratory equipment	3515000	3510397	30000	29240	400000	389571	575000	566280
Software	770000	769493	750000	748006	1900000	1875844	650000	632713
SDGs	700000	647470	650000	608760	500000	490263	350000	345968
Support for faculty development	1300000	1266157	1250000	1247924	1225000	1213873	1200000	1190583
R&D	780000	757241	675000	642580	650000	641601	600000	585584
Industrial Training, Industry expert, Internship	125000	121265	110000	108715	100000	93626	100000	90714
Miscellaneous expenses *	21500000	21117279	25000000	24866667	23000000	22554095	27500000	27492340
<b>Total amount</b>	28690000	27432061	28465000	27609312	27775000	26617272	30975000	30318598