

**NATIONAL BOARD OF ACCREDITATION**

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

**PART-A: Profile of the Institute**

**Name of the Program Applied for: UG – B.Tech. - Electronics & Communication Engineering**

**A1: Name of the Institute:** NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS

Year of Establishment : 2009 Location of the Institute:



**A2: Institute Address: -** KORREMULA 'X' ROAD, CHOWDARIGUDA (VILLAGE), GHATKESAR (MANDAL), MEDCHAL-MALKAJGIRI (Dt.)

City : Hyderabad State : Telangana

Pin Code : 500088 Website : www.nnrg.edu.in

E-mail : [director@nnrg.edu.in](mailto:director@nnrg.edu.in) Phone No (with STD Code): 040-29705282

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

Name of the University :JawaharlalNehru Technological UniversityCity : Hyderabad

State : Telangana Pin Code: 500085

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

Institute of National Importance	<input type="checkbox"/>	Deemed University	<input type="checkbox"/>
University	<input type="checkbox"/>	Autonomous	<input checked="" type="checkbox"/>
Non-Autonomous (Affiliated)	<input type="checkbox"/>	Any other (Please specify) *	<input type="checkbox"/>

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

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

Central Government	<input type="checkbox"/>	State Government	<input type="checkbox"/>
Government Aided	<input type="checkbox"/>	Self-finance	<input checked="" type="checkbox"/>
Any Other (Please specify) *	<input type="checkbox"/>	<b>*Provide Details:</b> _____	

**A6: Details of all Programs being Offered by the Institution: -**❖ No. of UG programs: 6❖ No. of PG programs: 2**Table No. 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	Civil Engineering	2010		Civil Engineering
2	UG	Computer Science and Engineering	2009		Computer Science and Engineering
3	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2021		Computer Science and Engineering (Artificial Intelligence & Machine Learning)
4	UG	Computer Science and Engineering (Data Science)	2021		Computer Science and Engineering (Data Science)
5	UG	Electronics & Communication Engineering	2009		Electronics & Communication Engineering
6	PG	Embedded System & VLSI	2024		
7	UG	Pharmacy	2009		Pharmacy
8	PG	Master of Business Administration	2009		Master of Business Administration

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

Cluster ID.	Name of the Department	Name of the Program
1.	Electronics & Communication Engineering	UG - B.Tech – Electronics & Communication Engineering
...		

**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)
1.	-	-
...		

**PART-B: Program information**

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

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

**Table No. B1:** Program details.

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.	Electronics & Communication Engineering	2009	60	120 180	2011 2019	South central Region /1-4263510748/ 2019/EOA	Accredited From 2022-23 to 2024-25 i.e., upto 30/06/2025	2

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

**A. Name of the HoD : Dr. B. Ravi**

**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
N= Sanctioned intake of the program (as per AICTE /Competent authority)	180	180	180	180	180	180	120
N1= 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	180	180	180	97	137	130	103
N2= Number of students admitted in 2 <sup>nd</sup> year in the same batch via lateral entry including leftover seats	20	18	20	82	23	20	18
N3= Separate division if any	NA	NA	NA	NA	NA	NA	NA
N4= Total no. of students admitted in the 1 <sup>st</sup> year via all supernumerary quotas	11	12	11	6	NA	NA	NA
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	211	210	211	185	160	150	121

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)	180	180	180
N1= 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	180	180	180
N4= Total no. of students admitted in the 1 <sup>st</sup> year via all supernumerary quotas	11	12	11
Enrolment Ratio (ER)= (N1+N4)/N	106.11	106.67	106.11
<b>Average ER= (ER_1+ ER_2+ ER_3)/3</b>	106.30		

**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
A*= (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).	160	150	121
B=No. of students who graduated from the program in the stipulated course duration	96	98	82
Success Rate (SR)= (B/A)*100	<b>60.00</b>	<b>65.33</b>	<b>67.77</b>
Average SR of three batches ((SR_1+SR_2+ SR_3)/3)	<b>64.37</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
X= (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)	7.54	7.40	7.1
Y= Total no. of successful students	178	179	99
Z = Total no. of students appeared in the examination	180	180	101
API = X* (Y/Z)	7.46	7.36	6.96
Average API = ( API_1 + API_2 + API_3)/3	7.26		

**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 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)	7.45	6.68	5.9
Y= Total no. of successful students	193	174	149
Z =Total no. of students appeared in the examination	194	175	156
API = X* (Y/Z)	7.41	6.64	5.64
Average API = ( API_1 + API_2 + API_3)/3	6.56		

**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 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)	7.4	5.71	5.48
Y= Total no. of successful students	169	146	145
Z= Total no. of students appeared in the examination	170	146	145
API = X* (Y/Z)	7.36	5.71	5.48
Average API = ( API_1 + API_2 + API_3)/3	6.18		

**B9: Placement, Higher Studies, and Entrepreneurship**

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

Item	LYGm1 2023-24	LYGm2 2022-23	LYGm3 2021-22
FS*=Total no. of final year students	160	150	121
X= No. of students placed	71	89	81
Y= No. of students admitted to higher studies	20	18	22
Z= No. of students taking up entrepreneurship	3	5	4
X + Y + Z =	94	112	107
Placement Index (P) = (((X + Y + Z)/FS) * 100)	58.75	74.67	88.43
Average placement index = (P_1 + P_2 + P_3)/3	73.95		

**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

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/ 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. Ravi Bolimera	M.E/M.Tech and Ph.D	National Institute of Technology Warangal	AI for Signal Processing	01-07-2022	3Y 7M	Associate Professor	Associate Professor	01-07-2022	Regular		Y	
2	Dr. C V Krishna Reddy	M.E/M.Tech and Ph.D	JNTUH Hyderabad	VLSI	03-07-2010	15Y 7M	Professor	Professor	03-07-2010	Regular		Y	
3	Dr. B. Hari Prasad Naik	M.E/M.Tech and Ph.D	Osmania University, Hyderabad	VLSI	25-11-2019	6Y 2M	Associate Professor	Professor	25-07-2022	Regular		Y	
4	Dr. Sk. Fairouz	M.E/M.Tech and Ph.D	JNTUH Hyderabad	VLSI	02-08-2024	1Y 6M	Associate Professor	Professor	14-07-2025	Regular		Y	
5	Dr. V. Sravan Kumar	M.E/M.Tech and Ph.D	BITS Pilani, Hyderabad Campus	Video Processing & VLSI	14-02-2022	3Y 11M	Associate Professor	Associate Professor	14-02-2022	Regular		Y	

6	Dr.S.Rekha	M.E/M.Tech and Ph.D	Karunya Institute of Technology and Sciences, Coimbatore	Antenna Design	22-08-2022	3Y 5M	Associate Professor	Associate Professor	22-08-2022	Regular		Y	
7	Dr. S. Karthick	M.E/M.Tech and Ph.D	NITTiruchirappalli	Signal & Image Processing	25-01-2021	5Y 0M	Assistant Professor	Associate Professor	01-07-2023	Regular		Y	
8	Dr. P. Ashok Kumar	M.E/M.Tech and Ph.D	SSSUTMS	Digital Signal Processing	12-08-2024	1Y 5M	Associate Professor	Associate Professor	12-08-2024	Regular		Y	
9	Mr. P.S. Sreenivasa Reddy	M.E/M.Tech	Madras University	Applied Electronics	19-05-2011	14Y 8M	Associate Professor	Associate Professor	19-05-2011	Regular		Y	
10	Mr. P. K. Kulkarni	M.E/M.Tech	Shivaji University, Kolhapur	Communication System	18-10-2021	4Y 3M	Associate Professor	Associate Professor	18-10-2021	Regular		Y	
11	Dr. Aare Gopal	M.E/M.Tech and Ph.D	Osmania University (O.U)	Wireless communication	18-08-2025	10Y 8M	Associate Professor	Associate Professor	18-08-2025	Regular		Y	
12	Ms. Soumya Gudepu	M.E/M.Tech	JNTUH Hyderabad	DECS	01-07-2019	6Y 7M	Assistant Professor	Assistant Professor		Regular		Y	
13	Mr. Koustubh Kulkarni	M.E/M.Tech	Osmania University (O.U)	C.E&SP	01-07-2019	6Y 7M	Assistant Professor	Assistant Professor		Regular		Y	
14	Ms. K. Madhavi	M.E/M.Tech	JNTUH Hyderabad	SSP	11-07-2019	6Y 7M	Assistant Professor	Assistant Professor		Regular		Y	
15	Ms. N. Lavanya	M.E/M.Tech	JNTUH Hyderabad	W &MC	16-07-2019	6Y 6M	Assistant Professor	Assistant Professor		Regular		Y	
16	Mr. A. Aravind	M.E/M.Tech	JNTUH Hyderabad	ECE	25-01-2021	5Y 0M	Assistant Professor	Assistant Professor		Regular		Y	
17	Mr. Chennaju Phanindra	M.E/M.Tech	JNTUH Hyderabad	SSP	19-03-2021	4Y 10M	Assistant Professor	Assistant Professor		Regular		Y	
18	Ms. K. Anuradha	M.E/M.Tech	JNTUH Hyderabad	DSCE	03-01-2022	4Y 1M	Assistant Professor	Assistant Professor		Regular		Y	
19	Dr. Nitesh Gaikwad	M.E/M.Tech and Ph.D	Vel Tech RangarajanDr. Sagunthala R&D Institute of Science and Technology	Embedded Systems &IoT	20-07-2022	3Y 6M	Assistant Professor	Assistant Professor		Regular		Y	
20	Mr. N. Raju	M.E/M.Tech	JNTUH Hyderabad	Embedded Systems	27-07-2022	3Y 6M	Assistant Professor	Assistant Professor		Regular		Y	

21	Mr.K.Ramesh	M.E/M.Tech	JNTUH Hyderabad	VLSI System Design	27-07-2022	3Y 6M	Assistant Professor	Assistant Professor		Regular		Y	
22	Mr.N.Suresh	M.E/M.Tech	JNTUH Hyderabad	DECS	01-08-2022	3Y 6M	Assistant Professor	Assistant Professor		Regular		Y	
23	Mr.K.Rambabu	M.E/M.Tech	JNTUH Hyderabad	DECS	16-08-2022	3Y 5M	Assistant Professor	Assistant Professor		Regular		Y	
24	Ms.V.Neelavathi	M.E/M.Tech	JNTUA, Ananthapur	DECS	16-08-2022	3Y 5M	Assistant Professor	Assistant Professor		Regular		Y	
25	Mr.B.Saidulu	M.E/M.Tech	JNTUH Hyderabad	Embedded Systems & VLSI Design	17-08-2022	3Y 5M	Assistant Professor	Assistant Professor		Regular		Y	
26	Mrs.V.V.Nandini	M.E/M.Tech	JNTUH Hyderabad	VLSI DESIGN	18-08-2022	3Y 5M	Assistant Professor	Assistant Professor		Regular		Y	
27	Ms.K.ShivaPrasanna	M.E/M.Tech	JNTUH Hyderabad	VLSI & Embedded Systems	01-06-2023	2Y 8M	Assistant Professor	Assistant Professor		Regular		Y	
28	Mr.Abraham Thomas	M.E/M.Tech	University of Kerala	Signal Processing	02-08-2023	2Y 6M	Assistant Professor	Assistant Professor		Regular		Y	
29	Mr.K.Srinivas	M.E/M.Tech	JNTUH Hyderabad	VLSI & ES	01-08-2023	2Y 6M	Assistant Professor	Assistant Professor		Regular		Y	
30	Ms.B.NagaPrasanna	M.E/M.Tech	KL university	Communications & Radar Systems	18-06-2024	1Y 7M	Assistant Professor	Assistant Professor		Regular		Y	
31	Ms.ShettySravanthi	M.E/M.Tech	JNTUH Hyderabad	Embedded Systems	05-08-2024	1Y 6M	Assistant Professor	Assistant Professor		Regular		Y	
32	Ms.M.H.Sushma Mercilin	M.E/M.Tech	JNTUH Hyderabad	VLSI System Design	05-08-2024	1Y 6M	Assistant Professor	Assistant Professor		Regular		Y	
33	Ms.K.Hemalatha	M.E/M.Tech	JNTUH Hyderabad	DSCE	12-08-2024	1Y 5M	Assistant Professor	Assistant Professor		Regular		Y	
34	Ms.K.Thrisandhya	M.E/M.Tech	JNTUH Hyderabad	VLSI System Design	19-08-2024	1Y 5M	Assistant Professor	Assistant Professor		Regular		Y	
35	Ms.P.Kiranmayee	M.E/M.Tech	JNTUH Hyderabad	Embedded Systems	21-08-2024	1Y 5M	Assistant Professor	Assistant Professor		Regular		Y	
36	Mr.Y.Sathish	M.E/M.Tech	JNTUH Hyderabad	Embedded Systems	07-07-2025	0Y 7M	Assistant Professor	Assistant Professor		Regular		Y	
37	Ms.D.BinduTushara	M.E/M.Tech	JNTUH Hyderabad	VLSI	17-07-2025	0Y 6M	Assistant Professor	Assistant Professor		Regular		Y	
38	Ms. G. T.Sandhya	M.E/M.Tech	JNTUH Hyderabad	VLSI System Design	23-07-2025	0Y 6M	Assistant Professor	Assistant Professor		Regular		Y	

39	Ms. T. Swetha	M.E/M.Tech	JNTUH Hyderabad	VLSI System Design	28-07-2022	2Y 11M	Assistant Professor	Assistant Professor		Regular		N	04-07-2025
40	Mr. U. Bharadwaja	M.E/M.Tech	JNTUK Kakinada	VLSI & ES	08-08-2022	2Y 8M	Assistant Professor	Assistant Professor		Regular		N	30-04-2025
41	Dr. B. Suneetha	M.E/M.Tech and Ph.D	Dr.M.G.R Educational and Research Institute	Signal & Image Processing	21-06-2016	8Y 4M	Associate Professor	Associate Professor	21-06-2016	Regular		N	06-11-2024
42	Mrs. Mummadi Rajeswari	M.E/M.Tech	JNTUH Hyderabad	VLSI System Design	01-07-2024	0Y 3M	Assistant Professor	Assistant Professor		Regular		N	03-10-2024
43	Mr.M.Sharath Chandra	M.E/M.Tech	JNTUH Hyderabad	VLSI System Design	08-08-2022	2Y 0M	Assistant Professor	Assistant Professor		Regular		N	16-08-2024
44	Dr.S. Ravichand	M.E/M.Tech and Ph.D	JNTUK Kakinada	VLSI, Processor	28-01-2021	3Y 6M	Professor	Professor	28-01-2021	Regular		N	05-08-2024
45	Dr.N.Adithya Valli	M.E/M.Tech and Ph.D		Radar Signal Processing	02-06-2022	2Y 1M	Assistant Professor	Assistant Professor		Regular		N	25-07-2024
46	Ms.Sk.Shafiya	M.E/M.Tech	JNTUH Hyderabad	ES	31-08-2015	6Y 10M	Assistant Professor	Assistant Professor		Regular		N	15-07-2024
47	Ms.V.Ramya	M.E/M.Tech	JNTUH Hyderabad	W &MC	01-07-2019	5Y 0M	Assistant Professor	Assistant Professor		Regular		N	15-07-2024
48	Dr.T.Rajasekhar	M.E/M.Tech and Ph.D	AcharyaNagarjuna University	VLSI DESIGN	19-04-2021	3Y 1M	Associate Professor	Associate Professor	19-04-2021	Regular		N	13-06-2024
49	Mr.K.Naveen Kumar	M.E/M.Tech		SSP	29-06-2021	2Y 11M	Assistant Professor	Assistant Professor		Regular		N	10-06-2024
50	Dr.B.C.Premkumar	Ph.D	Dr.M.G.R Educational and Research Institute	ES	12-07-2017	6Y 10M	Professor	Professor	12-07-2017	Regular		N	31-05-2024
51	Dr. P Michael Preetam Raj	M.E/M.Tech and Ph.D	BITS Pilani, Hyderabad Campus	Microelectronics	01-02-2021	3Y 3M	Associate Professor	Associate Professor	01-02-2021	Regular		N	10-05-2024

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

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/ 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													
2													

**C2: Student-Faculty Ratio (SFR)**

- ❖ No. of UG(Engineering) programs in Department including allied departments/ clusters (UG<sub>n</sub>):
  - UG<sub>1</sub>=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>):
  - PG<sub>1</sub>=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
  - **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.

Student	CAY (2024-25)		CAYm1 (2023-24)		CAYm2 (2022-23)	
UG <sub>1</sub> . B	198	180+18	198	180+18	198	180+18
UG <sub>1</sub> . C	198	180+18	198	180+18	198	180+18
UG <sub>1</sub> . D	198	180+18	198	180+18	198	180+18
UG <sub>1</sub> (UG-Engineering-ECE)	594		594		594	
PG <sub>1</sub> . A	18					
PG <sub>1</sub> . B						
PG <sub>1</sub> (PG-Engineering-ECE-ES&VLSI)	0		0		0	
<b>S</b> =Total no. of students in the Department (UG <sub>1</sub> , PG <sub>1</sub> )	<b>612</b>		<b>594</b>		<b>594</b>	
<b>F</b> =Total no. of faculty members in the Department	<b>36</b>		<b>38</b>		<b>35</b>	
<b>FF</b> =The faculty members who have a 100% teaching load in the first-year courses	1		1		1	
<b>Student Faculty Ratio (SFR)=S/(F-FF)</b>	17.49		16.05		17.47	
<b>Average SFR for 3 years</b>			<b>17.00</b>			

**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	FQI= $2.5 * [(10X + 4Y)/RF]$
<b>CAY</b>	8	28	31	15.69
<b>CAYm1</b>	10	28	30	17.85
<b>CAYm2</b>	10	25	30	16.84

**C4: Faculty Cadre Proportion**

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

- RF2= No. of Associate Professors required =  $2/9 * \text{No. of Faculty required to comply with 20:1 StudentFaculty ratio based on no. of students (S) as per section C2 of this documents:}$ .
- RF3= No. of Assistant Professors required =  $6/9 * \text{No. of Faculty required to comply with 20:1 StudentFaculty ratio based on no. of students (S) as per section C2 of this documents:}$ .  
❖Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

⑩

**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</b>	3.40	2	6.80	8	20.40	26
<b>CAYm1</b>	3.30	4	6.60	9	19.80	25
<b>CAYm2</b>	3.30	4	6.60	8	19.80	23
<b>Average Numbers</b>	RF1= 3.33	AF1=3.33	RF2= 6.67	AF2= 8.33	RF3= 20.00	AF3= 24.67

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

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

S.N.	Name of the Person	Designation & Organization	Name of the Course	No. of hours handled
<b>CAYm1</b>				
<b>1</b>	Dr. R. S. Sairam	Board of Director, Lemon Flip Solutions, Hyderabad	VLSI Design	30
<b>2</b>	Dr. P. Suryanarayana	Retd. DRDO Scientist	Embedded system Design	30
<b>Total no. of hours:</b>				60
<b>CAYm2</b>				
<b>1</b>	Dr. P. Srikanth	Founder & Director INAS Technologies Pvt Ltd	Micro Processor and Micro Controllers	30
<b>2</b>	Dr. R. S. Sairam	Board of Director, Lemon Flip Solutions, Hyderabad	Low Power VLSI Design	30
<b>Total no. of hours:</b>				60
<b>CAYm3</b>				
<b>1</b>	Dr. P.Srikanth	Founder & Director INAS Technologies Pvt Ltd	Electronic Measurements and Instrumentation	30
<b>2</b>	Dr. R. S. Sairam	Board of Director, Lemon Flip Solutions, Hyderabad	Low Power VLSI Design	30
<b>Total no. of hours:</b>				60

**C6: Academic Research****Table No. 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	17	5	6
2	No. of peer reviewed conference papers published	15	4	6
3	No. of books/book chapters published	-	2	-

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

S.N.	PI name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project title*	Name of the Funding agency	Duration of the project	Amount (Lacs)
<b>CAYm1</b>							
1							
..							
<b>Amount received (Rs.)</b>							
<b>CAYm2</b>							
1							
...							
<b>Amount received (Rs.)</b>							
<b>CAYm3</b>							
1	Dr.B.HariPrasadNaik	Mr P.Sreenivasa Reddy	ECE	Moderization of VLSI E-CAD Laboratory	AICTE	2 Years	Rs 4,83,000
..							
<b>Amount received (Rs.)</b>							
<b>Total Amount (Lacs) Received for the Past 3 Years</b>							

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

S.N.	PI name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project title*	Name of the Funding agency	Duration of the project	Amount (Lacs)
<b>CAYm1</b>							
1							
..							
<b>Amount received (Rs.)</b>							

<b>CAYm2</b>							
<b>1</b>							
...							
<b>Amount received (Rs.)</b>							
<b>CAYm3</b>							
<b>1</b>							
..							
<b>Amount received (Rs.)</b>							
<b>Total amount (Lacs) received for the past 3 years</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.N.	Faculty name	Project title/ Support for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the project
<b>CAYm1 (2023-24)</b>						
1	Ms.K.Madhavi	IoT enabled Device for Monitoring Oxygen And Blood Pressure In Human Body	01-09-2023 to 31-08-2024	5000	5500	<ol style="list-style-type: none"> <li>1. Measure physiological parameters such as blood oxygen saturation (SpO<sub>2</sub>) and blood pressure in real time.</li> <li>2. Remote monitoring, data analysis, and alert generation in healthcare applications.</li> </ol>
2	Ms.K.Madhavi	AI Based Driver Drowsiness Detecting Device		5000	5500	<ol style="list-style-type: none"> <li>1. Detecting Driver Drowsiness</li> <li>2. Analyze facial features such as eye closure, blinking rate, and head movement, and generate alerts to prevent road accidents.</li> </ol>
3	Ms.K.Madhavi	Revolutionizing Rice Quality Evaluation Using A Novel Image Processing Approach For Physical Quality Assessment		5000	5500	<ol style="list-style-type: none"> <li>1. Automatic evaluation of physical quality parameters of rice grains, such as size, shape, color, and defects.</li> <li>2. Improved accuracy, consistency, and efficiency</li> </ol>
4	Mr.Prashant K Kulkarni	Design Of Single-Layer Fingers Shaped Microstrip Antenna For Sub 6 GHz Wireless Communication		25000	25250	<ol style="list-style-type: none"> <li>1. Enhanced antenna gain and radiation efficiency for 5G sub-6 GHz bands</li> <li>2. Compact and low-cost antenna suitable for IoT and wireless devices</li> </ol>
5	Ms.Soumya Reddy Gudepu	Advanced Imaging Analytics: Machine Learning And Deep Learning In Cancer Detection And Segmentation		5000	4500	<ol style="list-style-type: none"> <li>1. The patent leads to development of an AI model that accurately detects and segments cancerous tumors from medical images.</li> <li>2. The technology enables faster and more</li> </ol>

6	Dr. Ravi Bolimera	Smart Healthcare Monitoring System Using IoT And Artificial Intelligence
7	Dr. Ravi Bolimera	Developing A Python Opencv-Based System To Detect Driver Drowsiness
8	Dr. S. Rekha	IoT and Cloud Based Smart Agriculture Device To Detect Flames Using WSN And Image Processing Techniques
9	Ms.Anuradha K	Enhancing the Power by Reducing the Harmonics in Grid Connected Inverters using Deep Learning Technique
10	Mr.NiteshGaikwad	IoT based Robotic Device for Seed Dispersing and Pesticide Spraying
11	Ms. Suresh N	Creating A Connected Mirror: Harnessing IoT For Real-Time Applications

		precise cancer diagnosis, improving patient outcomes and treatment effectiveness.
5000	4500	The patent results in development of an AI model that accurately monitor the Health of the human being
10000	13000	To design and develop an IoT-enabled accident detection system
5000	4500	<ol style="list-style-type: none"> <li>1. The system identifies and analyzes flames in the agricultural field and alerts the farmer in real time.</li> <li>2. Farmers can monitor, evaluate, and protect their crops using cloud-based fire detection data.</li> </ol>
5000	4500	<ol style="list-style-type: none"> <li>1. Explain how deep learning reduces harmonics in grid-connected inverters to get cleaner power.</li> <li>2. Apply deep learning control to an inverter model and compare waveforms before/after to see more useful power output.</li> <li>3. Evaluate the deep learning method versus traditional filters, then design a better smart control for harmonic reduction.</li> </ol>
5000	4500	<ol style="list-style-type: none"> <li>1. Increased Agricultural Efficiency</li> <li>2. Cost Reduction and Resource Optimization</li> <li>3. Improved Crop Yield and Environmental Protection</li> </ol>
15000	17500	<ol style="list-style-type: none"> <li>1. The connected mirror enables real-time data display and interaction using IoT integration.</li> <li>2. The system allows seamless connectivity</li> </ol>

						with IoT-enabled devices and services.
12	Dr.ShaikFairoz	IoT based Crop Monitoring Method using Smart Device with Machine Learning Technique to Assist the Agriculture Industry		5000	4500	<ol style="list-style-type: none"> <li>1. Continuous remote supervision.</li> <li>2. Intelligent decision-making, including irrigation prediction, crop health analysis, and yield forecasting, to improve productivity and reduce resource wastage in agriculture.</li> </ol>
13	Ms. N. Lavanya	Fire Rescue Drone		50000	50000	<ol style="list-style-type: none"> <li>1. Improved Responder Safety</li> <li>2. Faster Victim Location</li> </ol>
14	Dr.B.Hari Prasad Naik	SoC based temperature sensor for low power VLSI applications		50000	50000	<ol style="list-style-type: none"> <li>1. Successful Integration of Temperature Sensor into SoC Design</li> <li>2. Low Power Consumption Achieved</li> <li>3. Accurate Temperature Monitoring</li> <li>4. Area-Efficient Layout</li> <li>5. Functional Simulation and Verification</li> </ol>
<b>Amount received (Rs.)</b>					199250	
<b>CAYm2 (2022-23)</b>						
1	Ms.K.Madhavi	IMAGE FUSION ON MRI AND CT IMAGE USING WAVELET TRANSFORM	01-09-2023 to 31-08 2024	5000	5200	<ol style="list-style-type: none"> <li>1. Image fusion of MRI and CT images for improved diagnostic visualization</li> <li>2. Performance of fused medical images using appropriate quality metrics such as PSNR, SSIM, and entropy.</li> </ol>
2	Mr.PrashantKulkarni	A Novel Approach for Integrating the Techniques of IoT,Fog and Cloud Computing for Smart and Accuratepredictionof Earthquake		15000	15250	<ol style="list-style-type: none"> <li>1. Early earthquake warning through real-time sensor data fusion</li> <li>2. Reduced prediction delay using fog-layer edge processing</li> </ol>
3	Mr. K. Rambabu	AI &IoT Based Smart Irrigation system		50000	50000	<ol style="list-style-type: none"> <li>1. Water Conservation</li> <li>2. Remote monitoring &amp; Control</li> <li>3. Data Driven Decisions</li> </ol>
4	Dr. T. RajaSekhar	AI & ML Based VLSI Architectures for Low power Applications		50000	50000	<ol style="list-style-type: none"> <li>1. Optimize power, area for low power</li> <li>2. Low Power Consumption for smart</li> </ol>

						systems 3. Low latency
					<b>Amount received (Rs.)</b>	120450
<b>CAYm3 (2021-22)</b>						
1						
					<b>Amount received (Rs.)</b>	199250
<b>Amount received (Rs.)</b>						
						-
					<b>Total amount (Lacs) received for the past 3 years</b>	319700

**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 set up (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	Analog Circuits Laboratory	3(22)	Class A Power Amplifier Trainer kit(1) Class C Power Amplifier Trainer kit(1) Single Tuned Voltage Amplifier Trainer kit(1) Hartley Oscillator Trainer kit(1) Colpitts Oscillator Trainer kit(1) Wein Bridge Oscillator Trainer kit(1) RC Phase Shift Oscillator Trainer kit(1) Clipper and Clamper Trainer kit(1) FET Common Source Amplifier Trainer kit(1) Decade Resistance Box(10) Decade Inductance Box(10) Decade Capacitance Box(10) Cathode Ray Oscilloscope (0-25MHz)(8) Function Generators (10Hz-10MHz) (8) Regulated Power Supply (0-30V) (8) Electronic Servo Voltage Stabilizer(1)	27 Hours/Week	Ms. K. Mamatha	Lab Technician	B.Tech
2	Digital Circuits Laboratory	3(22)	General purpose trainer with breadboard and IC base (10) MonostableMultivibrator Trainer kit(1) Digital IC trainer Trainer kit(8) Digital Multimeter (10) Function Generators (1Hz-30MHz)(8) Cathode Ray Oscilloscope (0-20MHz)(8) Regulated power supply (0-30V)(8) Servo Voltage Stabilizer(1) Analog IC's(100), Digital IC's(100)	27 Hours/Week	Ms. R. Manasa	Lab Technician	B. Tech.

3	MODROBS Laboratory	1(30)	Personal Computers (30) Xilinx Vivado Software (30 users) Zynq 7000 series FPGA Development Boards(5) Xilinx 7 Series FPGA Artix-7 Boards(5) UPS 5KVA (1)	27 Hours/Week	Ms. Y. Subhashini	Lab Technician	B. Tech.
4	Embedded & IOT Laboratory	1(30)	Personal Computers (30) Raspberry Pi4 (8GB)(6) ESP 32 Microcontroller Board(10) Arduino UNO R3(10), GSM Modem SIM900A(10), Ultrasonic sensor(10) Relay module(10), Soil Sensor(10) DHT11 sensor(10), Water Pumps(10) LED's(50), Web Cameras(5) ARM Cortex M3 Development Board (5) Microprocessor 8086(10) Microcontrollers Trainer kit(8051)(8) 7 Segment Display Interface (2) Matrix Keypad Interface (1) ADC Interface (2), DAC Interface (1) Cathode Ray Oscilloscope (0-20MHz) (2) UPS 5 KVA(1)	27 Hours/Week	Mr.K.Jagdish	Lab Technician / System Administrator	M.Sc.(I.T.)
5	Communication Laboratory	3(22)	Klystron Microwave Bench Setup(3) Gunn Microwave Bench Setup(1) E plane T(1), H plane T(1) EH Plane T(1), Circulator(1) Directional Coupler(1) Fiber Optic Analog Transmitter & Receiver Trainer kit(1) Fiber Optic Digital Transmitter & Receiver Trainer kit(1), Numerical Aperture Trainer kit(1) LED Trainer kit(1), LASER Trainer kit(1) Optical Fiber Cables(3) AM Transmitter Trainer kit(2) AM Receiver Trainer kit(2) FM Transmitter Trainer kit(1) FM Receiver Trainer kit(1)	27 Hours/Week	Ms. V. Swapna	Lab Technician	B. Tech.

			PAM Trainer kit(1),PWM Trainer kit(1) PPM Trainer kit(2),FSK Trainer Kit(1) QPSK Trainer Kit(1),OFDM Trainer kit(1) PCM Trainer kit(1),DM Trainer kit(1) Data Transmitter Trainer kit(1) Data Receiver Trainer kit(1) FDM Trainer kit(1) QAM Trainer kit.(1) Sampling & Reconstruction Trainer kit(1) Cathode Ray Oscilloscope (0-20MHz) (8) Function Generator (0-1 MHz) (4) Spectrum Analyser(1Khz -2.5 Ghz)(1)				
6	Basic Electronics Laboratory	3(22)	RPS (0-30V)(8), CROs (0-20 MHz)(8), Function generators (0-1 MHz)(8) Bread Boards(15), AM Trainee Kits(1), FM trainer kits(1) 74XX IC's (100) Ammeter(0-20mA)(5) Ammeter(0-200mA)(5) DMM(10) Voltmeter(0-20V)(10)	27 Hours/Week	Mr. Ashok Kulkarni	Lab Technician	Diploma
7	Signal Processing Laboratory	1(30)	Personal Computers (P-IV)(30) MATLAB Software with Signal Processing Tool Box (30) DSP Processor starter kits with Code Composer Studio (10) CRO (30MHz) (2) Function Generator (0-1 MHz) (2)	27 Hours/Week	Mr. D. Sridhar	Lab Technician	Diploma(ECE)
8	Robotics (Project) Laboratory	-	Desktop Computers (15 configuration), Matlab Software, Digital storage Oscilloscope, 3D Printer, Arduino/Raspberry Pi Kits, Light Sensors, LEDs, USB Webcam, etc	As per project requirement	Mr. U. Bharadwaja	Assistant Professor / Lab Incharge	M.Tech

## D2: ` Safety Measures in Laboratories

### Common Safety Measures in the Laboratories:

1. First Aid Trainer kit is available at the entrance of the laboratory in case of emergency.
2. Fire extinguisher is available in the laboratory in case of fire emergency.
3. Students are instructed to avoid direct contact with any voltage source and power line voltages.
4. Students must ensure that their hands are dry and they are not standing on wet floors.
5. Students are advised to wear rubber-soled shoes, laboratory coats, and avoid loose clothing.
6. Students are advised not to switch ON the experiments without permission from the faculty/lab technician.
7. Students must ensure that the electric supply is OFF before giving connections.
8. Earthing of line circuits is periodically checked and always before use.

### Safety Measures in Laboratory wise:

S.No.	Name of the Laboratory	Safety Measures
1	Analog Electronics Laboratory	<ul style="list-style-type: none"> <li>- First aid kit.</li> <li>- Dry type fire extinguisher.</li> <li>- Guidelines and instructions displayed in the laboratory.</li> <li>- Electrical earthing is well maintained.</li> <li>- Power to all panel boards supplied through a 440V distribution panel.</li> <li>- Power supply terminals connected to any circuit are energized only in the presence of the instructor or lab staff.</li> <li>- Emergency power shutdown facility is provided.</li> <li>- Students instructed to wear apron and shoes.</li> </ul>
2	Digital Circuits Laboratory	<ul style="list-style-type: none"> <li>- First aid kit.</li> <li>- Dry type fire extinguisher.</li> <li>- Guidelines and instructions displayed in the laboratory.</li> <li>- Electrical earthing is well maintained.</li> <li>- Power to all panel boards supplied through a 440V distribution panel.</li> <li>- Power supply terminals connected to any circuit are energized only in the presence of the instructor or lab staff.</li> <li>- Emergency power shutdown facility is provided.</li> <li>- Students instructed to wear apron and shoes.</li> </ul>
3	MODROBS Laboratory	<ul style="list-style-type: none"> <li>- First aid kit.</li> <li>- Dry type fire extinguisher.</li> <li>- Guidelines and instructions displayed in the laboratory.</li> <li>- Electrical earthing is well maintained.</li> <li>- Power to all panel boards supplied through a 440V distribution panel.</li> <li>- Uninterrupted power supply provided with UPS.</li> <li>- Power supply terminals connected to any circuit are energized only in the presence of the instructor or lab staff.</li> <li>- Emergency power shutdown facility is provided.</li> <li>- Students instructed to wear apron and shoes.</li> <li>- 5 KVA UPS is provided for continuous uninterrupted regulated power supply.</li> </ul>
4	Embedded System &IoT Laboratory	<ul style="list-style-type: none"> <li>- First aid kit.</li> <li>- Dry type fire extinguisher.</li> <li>- Guidelines and instructions displayed in the laboratory.</li> <li>- Electrical earthing is well maintained.</li> <li>- Power to all panel boards supplied through a 440V distribution panel.</li> <li>- 5 KVA UPS is provided for continuous uninterrupted regulated power supply.</li> <li>- Power supply terminals connected to any circuit are energized only in the presence of the instructor</li> </ul>

		<ul style="list-style-type: none"> <li>or lab staff.</li> <li>- Emergency power shutdown facility is provided.</li> <li>- Students instructed to wear apron and shoes.</li> </ul>
5	Communication Laboratory	<ul style="list-style-type: none"> <li>- First aid kit.</li> <li>- Dry type fire extinguisher.</li> <li>- Guidelines and instructions displayed in the laboratory.</li> <li>- Electrical earthing is well maintained.</li> <li>- Power to all panel boards supplied through a 440V distribution panel.</li> <li>- Power supply terminals connected to any circuit are energized only in the presence of the instructor or lab staff.</li> <li>- Emergency power shutdown facility is provided.</li> <li>- Students instructed to wear apron and shoes.</li> </ul>
6	Basic Electronics Laboratory	<ul style="list-style-type: none"> <li>- First aid kit.</li> <li>- Dry type fire extinguisher.</li> <li>- Guidelines and instructions displayed in the laboratory.</li> <li>- Electrical earthing is well maintained.</li> <li>- Power to all panel boards supplied through a 440V distribution panel.</li> <li>- Power supply terminals connected to any circuit are energized only in the presence of the instructor or lab staff.</li> <li>- Emergency power shutdown facility is provided.</li> <li>- Students instructed to wear apron and shoes.</li> </ul>
7	Signal Processing Laboratory	<ul style="list-style-type: none"> <li>- First aid kit.</li> <li>- Dry type fire extinguisher.</li> <li>- Guidelines and instructions displayed in the laboratory.</li> <li>- Electrical earthing is well maintained.</li> <li>- Power to all panel boards supplied through a 440V distribution panel.</li> <li>- Power supply terminals connected to any circuit are energized only in the presence of the instructor or lab staff.</li> <li>- Emergency power shutdown facility is provided.</li> <li>- Students instructed to wear apron and shoes.</li> </ul>
8	Robotics (Project) Laboratory	<ul style="list-style-type: none"> <li>- First aid kit.</li> <li>- Dry type fire extinguisher.</li> <li>- Guidelines and instructions displayed in the laboratory.</li> <li>- Electrical earthing is well maintained.</li> <li>- Power to all panel boards supplied through a 440V distribution panel.</li> <li>- Power supply terminals connected to any circuit are energized only in the presence of the instructor or lab staff.</li> <li>- Emergency power shutdown facility is provided.</li> <li>- Students instructed to wear apron and shoes.</li> </ul>

### 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	Robotics (Project) Laboratory

**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))/RF4
CAY	810	40.5	36	14	78.02%
CAYm1	690	34.5	37	12	92.75%
CAYm2	690	34.5	30	12	76.52%

**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 CFY	Actual expenses in CFY	Budgeted in CFYm1	Actual Expenses in CFYm1	Budgeted in CFYm2	Actual Expenses in CFYm2	Budgeted in CFYm3	Actual Expenses in CFYm3
Infrastructure Built-Up	4000000	26151868	21400000	21440031	9600000	9682332	1000000	0
Library	1500000	1083234	500000	536461	550000	588683	850000	875777
Laboratory equipment	14500000	9906967	1000000	1113355	2650000	2674920	500000	0
Teaching and non-teaching staff salary	185000000	178876972	162000000	162054568	112900000	112957110	96500000	96887003
Outreach Programs	300000	280000	300000	270000	250000	280000	200000	60000
R&D	1500000	1712542	2300000	2359945	2000000	2000475	500000	450234
Training, Placement and Industry linkage	5000000	4080404	4700000	4741350	4900000	4926659	2500000	2551327
SDGs	500000	500015	600000	651245	550000	570000	400000	435467
Entrepreneurship	300000	222000	250000	278156	250000	278156	200000	157500
Others*, pl. specify	39200000	72254547	37000000	37127621	62450000	62788274	49800000	50229406
<b>Total amount</b>	<b>287800000</b>	<b>295068549</b>	<b>230050000</b>	<b>230572732</b>	<b>196100000</b>	<b>196746609</b>	<b>152450000</b>	<b>151646714</b>

**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	Actual expenses in CFY(till Jan 2026)	Budgeted in CFYm1	Actual Expenses in CFYm1	Budgeted in CFYm2	Actual Expenses in CFYm2	Budgeted in CFYm3	Actual Expenses in CFYm3
Laboratory equipment	700000	720023	700000	776249	300000	312022	90000	76464
Software								
SDGs	350000	315042	450000	450045	400000	425124	300000	108867
Support for faculty development	200000	210000	200000	201900	200000	199000	150000	98000
R & D	425000	450243	575000	589986	500000	612451	125000	50000
Industrial Training, Industry expert, Internship	1650000	1689097	1400000	1422405	1470000	1477997	750000	765398
Miscellaneous expenses *								
<b>Total amount</b>	<b>3325000</b>	<b>3384405</b>	<b>3325000</b>	<b>3440585</b>	<b>2870000</b>	<b>3026594</b>	<b>1415000</b>	<b>1098729</b>