NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electronics & Communication Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 2
Application No: 11348	**Date of Submission**: 15-12-2025

PART A- Profile of the Institute

A1.Name of the Institute: Bhoj Reddy Engineering College for Women	
Year of Establishment : 1997	Location of the Institute: Hyderabad
A2. Institute Address:Vinaynagar, I S Sadan X Roads, Saidabad Hyderabad - 500 059, Telangana	
City:Hyderabad	State:Telangana
Pin Code:500059	Website:www.brecw.ac.in
Email:principal@brecw.ac.in	Phone No(with STD Code):040-24531719
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Jawaharlal Nehru Technological University Hyderaba	City: Ranga Reddy
State : Telangana	Pin Code: 500085
A4. Type of the Institution: Non-Autonomous (Affiliated)	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **5**
- No. of PG programs: **0**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Computer Science and Engineering	1997	--	Computer Science and Engineering
2	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2022	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
3	Engineering & Technology	UG	Electrical and Electronics Engineering	2001	--	Electrical and Electronics Engineering
4	Engineering & Technology	UG	Electronics & Communication Engineering	1997	--	Electronics and Communication Engineering
5	Engineering & Technology	UG	Information Technology	2000	--	Information Technology

A7. Programs to be considered for Accreditation vide this Application:

Table No. A7.1: List of programs to be considered for accreditation.

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG
Information Technology	Yes	Information Technology	UG
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Electrical and Electronics Engineering	No	Electrical and Electronics Engineering	UG

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

No Record

PART-B: Program information

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

Table No. B1: Program details.
A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. O TIMES PROG ACCR
1	Electronics & Communication Engineering	UG	1997 / --	60	Yes	2022	120	2022	F.No. South-Central/1-44641919472/2025/EOA	Applying first time	--	--	0

Sanctioned Intake for Last Five Years for the Electronics & Communication Engineering	
Academic Year	**Sanctioned Intake**
2025-26	120
2024-25	120
2023-24	120
2022-23	120
2021-22	180
2020-21	180

List of the Allied Departments/Cluster and Programs:

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

A. Name of the HoD :	J Madhavan
B. Nature of appointment:	Regular

C. Qualification:	Ph.D

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	120	120	120	120	180	180	180
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	119	120	120	119	180	172	180
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	13	14	21	23	17	18
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	8	9	7	8	13	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	127	142	141	148	216	189	198

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

B4. Enrolment Ratio in the First Year

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

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	120	119	8	105.83
2024-25 (CAYm1)	120	120	9	107.50
2023-24 (CAYm2)	120	120	7	105.83

Average [(ER1 + ER2 + ER3) / 3] = 106.39≡ 100

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

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

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	216.00	197.00	198.00
B=No. of students who graduated from the program in the stipulated course duration	201.00	185.00	186.00

Success Rate (SR)= (B/A) * 100	93.06	93.91	93.94

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 93.64

B6. Academic Performance of the First-Year Students of the Program

Table No.B6.1: Academic Performance of the First-Year Students of the Program.

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
X=(Mean of 1st 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 1st year/10)	7.70	7.20	7.05
Y=Total no. of successful students	139.00	138.00	145.00
Z=Total no. of students appeared in the examination	120.00	120.00	119.00
API [X*(Y/Z)]	8.92	8.28	8.59

Average API[(AP1+AP2+AP3)/3] : 8.60

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	7.45	7.26	7.35
Y=Total no. of successful students	136.00	145.00	206.00
Z=Total no. of students appeared in the examination	152.00	166.00	233.00
API [X * (Y/Z)]	6.67	6.34	6.50

Average API [(AP1 + AP2 + AP3)/3] : 6.50

B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.10	6.50	6.50
Y=Total no. of successful students	142.00	205.00	186.00
Z=Total no. of students appeared in the examination	145.00	206.00	187.00
API [X*(Y/Z)]:	6.95	6.47	6.47

Average API [(AP1 + AP2 + AP3)/3] : 6.63

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	205.00	197.00	198.00

X=No. of students placed	105.00	143.00	160.00
Y=No. of students admitted to higher studies	3.00	12.00	11.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	52.68	78.68	86.36

Average Placement Index = (P_1 + P_2 + P_3)/3: 72.57 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

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

C1. Faculty details of Department and Allied Departments

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

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	J Madhavan	XXXXXXX98E	Ph.D	Anna University	Information & Communication Engineering	12/04/2017	8.7	Associate Professor	Professor	01/04/2022	Regular	Yes		Yes
2	S Manjula	XXXXXXX77A	M.E.	Osmania University	Systems & Signal Processing	02/11/1998	27.1	Assistant Professor	Assistant Professor		Regular	Yes		No
3	Bremiga G G	XXXXXXX08F	Ph.D	Noorul Islam Centre for Higher Education	Electronics and Communication Engineering	19/03/2018	7.1	Assistant Professor	Associate Professor	01/06/2022	Regular	No	06/05/2025	No
4	K Ashok Kumar	XXXXXXX46C	Ph.D	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology	Electronics & Communication Engineering	22/05/2023	1.11	Assistant Professor	Associate Professor	01/07/2024	Regular	No	14/05/2025	No

5	P Suresh Kumar	XXXXXXX10C	Ph.D	Sri Satya Sai University of Technology and Medical Sciences Sehore	Electronics and Communication Engineering	05/06/2023	1.11	Associate Professor	Associate Professor	05/06/2023	Regular	No	14/05/2025	No
6	T Suman	XXXXXXX18K	Ph.D	Visvesvaraya National Institute of Technology Nagpur	Electronics and Communication Engineering	20/05/2024	1.6	Assistant Professor	Assistant Professor		Regular	No	29/11/2025	No
7	N Pradeep Kumar Goud	XXXXXXX70H	Ph.D	National Institute of Technology Warangal	Electronics and Communication Engineering	22/05/2024	1.6	Associate Professor	Associate Professor	22/05/2024	Regular	Yes		No
8	B Jyothsna	XXXXXXX70P	M.E.	Osmania University	Digital Systems	05/03/2001	24.9	Assistant Professor	Assistant Professor		Regular	Yes		No
9	G Srilakshmi	XXXXXXX03R	M.Tech	Jawaharlal Nehru Technological University	Systems & Signal Processing	04/07/2011	14.5	Assistant Professor	Assistant Professor		Regular	Yes		No
10	J Stella Mary	XXXXXXX80K	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Embedded Systems	01/08/2007	18.4	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Kazi Nikhat Parvin Murtujaali	XXXXXXX77Q	M.Tech	Jawaharlal Nehru Technological University Hyderabad	VLSI System Design	01/08/2008	17.4	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Radhika R	XXXXXXX14K	M.Tech	Jawaharlal Nehru Technological University	VLSI System Design	01/07/2011	14.5	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Radhika Ravikrindi	XXXXXXX74B	M.Tech	Jawaharlal Nehru Technological University Hyderabad	VLSI System Design	03/07/2013	12.5	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Kovvuri Srinidhi Reddy	XXXXXXX93F	M.Tech	Vignan's University	VLSI Design	30/04/2015	10.7	Assistant Professor	Assistant Professor		Regular	Yes		No

15	S Surekha	XXXXXXX62B	M.Tech	Jawaharlal Nehru Technological University Hyderabad	VLSI System Design	01/05/2015	10.7	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Bidugu Eleena	XXXXXXX54A	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Digital Systems & Computer Electronics	25/06/2015	10.5	Assistant Professor	Assistant Professor		Regular	Yes		No
17	S V M G Phani Kumar C	XXXXXXX38P	M.Tech	Kakatiya University	Digital Communication	09/06/2016	9.5	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Shafia Tasneem	XXXXXXX36C	M.E.	Osmania University	Embedded Systems	05/01/2017	8.11	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Gavni Ranjitha	XXXXXXX87B	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Electronics and Communication Engineering	08/05/2019	6.7	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Mariam	XXXXXXX91Q	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Digital Electronics & Communication Systems	13/12/2021	3.11	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Rawulapalli Vyshnavi	XXXXXXX52A	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Digital Electronics & Communication Systems	11/02/2022	3.9	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Virija Kotakonda	XXXXXXX83H	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Digital Electronics & Communication Systems	18/04/2022	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Jyothirmayi Alahari	XXXXXXX67C	M.Tech	SRM University	VLSI Design	20/06/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Dendi Haritha	XXXXXXX15R	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Systems & Signal Processing	01/04/2022	3.8	Assistant Professor	Assistant Professor		Regular	Yes		No

25	Saba Sultana	XXXXXXX04R	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Digital Systems & Computer Electronics	02/07/2012	12.10	Assistant Professor	Assistant Professor		Regular	No	15/05/2025	No
26	N.Sony	XXXXXXX44C	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Embedded Systems	14/02/2022	3.2	Assistant Professor	Assistant Professor		Regular	No	14/05/2025	No
27	Mandala Swapna	XXXXXXX98D	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Embedded Systems	16/07/2015	9.1	Assistant Professor	Assistant Professor		Regular	No	31/08/2024	No
28	Md Toufeeq Ahmed	XXXXXXX48Q	M.E.	Osmania University	Digital Systems	06/01/2017	6.9	Assistant Professor	Assistant Professor		Regular	No	31/10/2023	No
29	K Joseph Thanusha	XXXXXXX67B	M.Tech	Jawaharlal Nehru Technological University Hyderabad	VLSI System Design	01/06/2021	1.11	Assistant Professor	Assistant Professor		Regular	No	13/05/2023	No
30	D Anusha	XXXXXXX39C	M.Tech	Jawaharlal Nehru Technological University Hyderabad	VLSI System Design	01/07/2021	2.10	Assistant Professor	Assistant Professor		Regular	No	06/05/2024	No
31	Damaigudam Ishwarya	XXXXXXX26N	M.Tech	Jawaharlal Nehru Technological University Hyderabad	VLSI System Design	01/07/2021	2.10	Assistant Professor	Assistant Professor		Regular	No	01/05/2024	No
32	A Navila	XXXXXXX29J	M.Tech	Jawaharlal Nehru Technological University Hyderabad	VLSI System Design	03/07/2013	9.10	Assistant Professor	Assistant Professor		Regular	No	15/05/2023	No

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

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):
UG1=1st UG program
UGn=nth UG program

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

No. of UG Programs in the Department1 No. of PG Programs in the Department0

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

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B	132	132	132
UG1.C	132	132	198
UG1.D	132	198	198
UG1: Electronics & Communication Engineering	**396**	**462**	**528**
DS=Total no. of students in all UG and PG programs in the Department	396	462	528
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 396	**S2=** 462	**S3=** 528
DF=Total no. of faculty members in the Department	20	26	27
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 20	**F2=** 26	**F3=** 27
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 20.84**	**SFR2= 18.48**	**SFR3= 20.31**
Average SFR for 3 years	**SFR= 19.88**		

C3. Faculty Qualification

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

Table No.C3.1: Faculty qualification.

Year	**X**	**Y**	**RF**	**FQ = 2.5 x [(10X + 4Y) / RF)]**

2025-26(CAY)	2	18	19.00	12.11
2024-25(CAYm1)	6	20	23.00	15.22
2023-24(CAYm2)	3	24	26.00	12.12

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	2.00	1.00	4.00	1.00	13.00	18.00
2024-25	2.00	1.00	5.00	4.00	15.00	21.00
2023-24	2.00	1.00	5.00	2.00	17.00	24.00
Average	RF1=2.00	AF1=1.00	RF2=4.67	AF2=2.33	RF2=15.00	AF2=21.00

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms P Sushma	Scientist-F, RCI, DRDO	RCI, DRDO Hyderabad	Low Power VLSI Design Techniques	33.00
2	Dr Manjulatha Veluri	Research and Academic Coordinator	Texoham Center for Advanced Computing, Hyderabad	Microwave Circuits and Antenna Design using HFSS	30.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms P Srujana	Lead Applications Engineer	Cadence Design Systems India Pvt.Ltd	ASIC Design	33.00
2	Dr Manjulatha Veluri	Research and Academic Coordinator	Texoham Center for Advanced Computing, Hyderabad	Internet of Things	33.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms Hima Bindu	Application Developer	IBM India Pvt. Ltd,Hyderabad	Professional and Interpersonal Communication Skills	30.00
2	Ms K Kavya	Manager-Technical	Electronics Corporation of India Limited.	Advanced Radar Systems and Techniques	33.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	110	115	96
2	No. of peer reviewed conference papers published	4	0	3
3	No. of books/book chapters published	0	0	2

C7. Sponsored Research Project

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

(CAYm1)

(CAYm2)

(CAYm3)

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

Note*:

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

C8. Consultancy Work

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

(CAYm1)

(CAYm2)

(CAYm3)

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

Note*:

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

C9. Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

(CAYm1)

(CAYm2)

(CAYm3)

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

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

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

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

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	ECE Computer Lab-I	1	Dell Desktop (core i5,13th generation, 2.5 GHz to 4.8 GHz) UPS (5KVA)	Sem II - 24 Pe	V Shravani	Lab Assistant	Diploma - ECE
2	Microprocessors & Microcontrollers Lab	2	8051 Kits, 8086 Kits, ADC/DAC Kits, Cathode Ray Oscilloscopes, Scantech Interfacing Module, 16 bit	Sem I – 18 Per	V Shravani	Lab Assistant	Diploma - ECE
3	ECE Computer Lab-II	1	Dell Desktop (core i3,4th generation, 3.4 GHz, 4GB RAM, 500GB Hard disk), HP Desktop (core	Sem I – 18 Per	R Sandhya Rani	Lab Assistant	Diploma - ECE
4	Analog and Digital Communications Lab	2	Cathode Ray Oscilloscope,s Digital Storage Oscilloscopes, Analog Communications Trainer	Sem II – 12 Pe	Y Saritha	Lab Assistant	B Tech ECE
5	ECE Computer Lab-III	1	IBM (Intel Pentium Xeon, 2.8GHz, 512 MB RAM), HP Desktop (Intel I54570 4th generation,	Sem I -12 peric	R Sandhya Rani	Lab Assistant	Diploma - ECE
6	Microwave and Optical Communications Lab	2	Klystron Power Supply, Gunn Power Supply, VSWR Meters, Frequency Meters, Microwave	Sem I – 12 Per	V Shravani	Lab Assistant	Diploma - ECE
7	Linear and Digital IC Applications Lab	2	Trainer kits, Cathode Ray Oscilloscopes, Function Generators, IC Tester, Stabilizer (5KVA)	Sem I – 18 Per	N Ashwini	Lab Assistant	Diploma - ECE
8	Digital Logic Design Lab	2	Digital IC trainer kit, Cathode Ray Oscilloscopes, IC Tester, Stabilizer (5KVA)	Sem I – 24 Per	Y Saritha	Lab Assistant	B Tech ECE
9	Electronic Circuit Analysis Lab	2	Trainer Kits, Cathode Ray Oscilloscopes, Function Generators, Stabilizer (5KVA)	Sem I -18 peric	R Sandhya Rani	Lab Assistant	Diploma - ECE

10	Electronic Devices and Circuits Lab-II	2	Trainer Kits, Cathode Ray Oscilloscopes, Function Generators, Stabilizer (5KVA), Digital	Sem I – 18 Per	N Ashwini	Lab Assistant	Diploma - ECE
11	Digital Electronics Lab	2	Digital IC trainer kit, Cathode Ray Oscilloscopes, Stabilizer (5KVA), IC Tester	Sem –I 6 Perio	Y Saritha	Lab Assistant	B Tech ECE

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	ECE Computer Lab-I	-General Rules of Conduct in Laboratories are displayed. -Specific Safety Rules for students are displayed. - Fire extinguisher is available in each floor. - UPS is available in all the labs to avoid power failure. -Regular checks for leakage in wiring and electrical installations are carried out by the maintenance team - Periodical servicing of the lab equipment. - A clean and organized laboratory is maintained. - Avoiding the use of cell phones. - Appropriate storage areas are provided. - Dust free environment is maintained by blowing dust from the systems at regular intervals. - Sufficient number of windows are available for ventilation and natural light.
2	Microprocessors & Microcontrollers Lab	-General Rules of Conduct in Laboratories are displayed. -Specific Safety Rules for students are displayed. - Fire extinguisher is available in each floor. - Stabilizer is available in all the labs to avoid power failure. -Regular checks for leakage in wiring and electrical installations are carried out by the maintenance team -All the major equipment is provided with proper earthing system to protect from electric shock. - Periodical servicing of the lab equipment. - A clean and organized laboratory is maintained. - Avoiding the use of cell phones. - Appropriate storage areas are provided. - Dust free environment is maintained by blowing dust from the systems at regular intervals. - Sufficient number of windows are available for ventilation and natural light.
3	ECE Computer Lab-II	-General Rules of Conduct in Laboratories are displayed. -Specific Safety Rules for students are displayed. - Fire extinguisher is available in each floor. - UPS is available in all the labs to avoid power failure. -Regular checks for leakage in wiring and electrical installations are carried out by the maintenance team - Periodical servicing of the lab equipment. - A clean and organized laboratory is maintained. - Avoiding the use of cell phones. - Appropriate storage areas are provided. - Dust free environment is maintained by blowing dust from the systems at regular intervals. - Sufficient number of windows are available for ventilation and natural light.
4	Analog and Digital Communications Lab	-General Rules of Conduct in Laboratories are displayed. -Specific Safety Rules for students are displayed. - Fire extinguisher is available in each floor. - Stabilizer is available in all the labs to avoid power failure. -Regular checks for leakage in wiring and electrical installations are carried out by the maintenance team -All the major equipment is provided with proper earthing system to protect from electric shock. - Periodical servicing of the lab equipment. - A clean and organized laboratory is maintained. - Avoiding the use of cell phones. - Appropriate storage areas are provided. - Dust free environment is maintained by blowing dust from the systems at regular intervals. - Sufficient number of windows are available for ventilation and natural light.
5	ECE Computer Lab-III	-General Rules of Conduct in Laboratories are displayed. -Specific Safety Rules for students are displayed. - Fire extinguisher is available in each floor. - UPS is available in all the labs to avoid power failure. -Regular checks for leakage in wiring and electrical installations are carried out by the maintenance team - Periodical servicing of the lab equipment. - A clean and organized laboratory is maintained. - Avoiding the use of cell phones. - Appropriate storage areas are provided. - Dust free environment is maintained by blowing dust from the systems at regular intervals. - Sufficient number of windows are available for ventilation and natural light.

6	Microwave and Optical Communications Lab	-General Rules of Conduct in Laboratories are displayed. -Specific Safety Rules for students are displayed. - Fire extinguisher is available in each floor. - Stabilizer is available in all the labs to avoid power failure. -Regular checks for leakage in wiring and electrical installations are carried out by the maintenance team -All the major equipment is provided with proper earthing system to protect from electric shock. - Periodical servicing of the lab equipment. - A clean and organized laboratory is maintained. - Avoiding the use of cell phones. - Appropriate storage areas are provided. - Dust free environment is maintained by blowing dust from the systems at regular intervals. - Sufficient number of windows are available for ventilation and natural light. -Entry into the laboratory is permitted only with proper closed-toe shoes.
7	Linear and Digital IC Applications Lab	-General Rules of Conduct in Laboratories are displayed. -Specific Safety Rules for students are displayed. - Fire extinguisher is available in each floor. - Stabilizer is available in all the labs to avoid power failure. -Regular checks for leakage in wiring and electrical installations are carried out by the maintenance team -All the major equipment is provided with proper earthing system to protect from electric shock. - Periodical servicing of the lab equipment. - A clean and organized laboratory is maintained. - Avoiding the use of cell phones. - Appropriate storage areas are provided. - Dust free environment is maintained by blowing dust from the systems at regular intervals. - Sufficient number of windows are available for ventilation and natural light.
8	Digital Logic Design Lab	-General Rules of Conduct in Laboratories are displayed. -Specific Safety Rules for students are displayed. - Fire extinguisher is available in each floor. - Stabilizer is available in all the labs to avoid power failure. -Regular checks for leakage in wiring and electrical installations are carried out by the maintenance team -All the major equipment is provided with proper earthing system to protect from electric shock. - Periodical servicing of the lab equipment. - A clean and organized laboratory is maintained. - Avoiding the use of cell phones. - Appropriate storage areas are provided. - Dust free environment is maintained by blowing dust from the systems at regular intervals. - Sufficient number of windows are available for ventilation and natural light.
9	Electronic Circuit Analysis Lab	-General Rules of Conduct in Laboratories are displayed. -Specific Safety Rules for students are displayed. - Fire extinguisher is available in each floor. - Stabilizer is available in all the labs to avoid power failure. -Regular checks for leakage in wiring and electrical installations are carried out by the maintenance team -All the major equipment is provided with proper earthing system to protect from electric shock. - Periodical servicing of the lab equipment. - A clean and organized laboratory is maintained. - Avoiding the use of cell phones. - Appropriate storage areas are provided. - Dust free environment is maintained by blowing dust from the systems at regular intervals. - Sufficient number of windows are available for ventilation and natural light.
10	Electronic Devices and Circuits Lab	-General Rules of Conduct in Laboratories are displayed. -Specific Safety Rules for students are displayed. - Fire extinguisher is available in each floor. - Stabilizer is available in all the labs to avoid power failure. -Regular checks for leakage in wiring and electrical installations are carried out by the maintenance team -All the major equipment is provided with proper earthing system to protect from electric shock. - Periodical servicing of the lab equipment. - A clean and organized laboratory is maintained. - Avoiding the use of cell phones. - Appropriate storage areas are provided. - Dust free environment is maintained by blowing dust from the systems at regular intervals. - Sufficient number of windows are available for ventilation and natural light.
11	Digital Electronics Lab	-General Rules of Conduct in Laboratories are displayed. -Specific Safety Rules for students are displayed. - Fire extinguisher is available in each floor. - Stabilizer is available in all the labs to avoid power failure. -Regular checks for leakage in wiring and electrical installations are carried out by the maintenance team -All the major equipment is provided with proper earthing system to protect from electric shock. - Periodical servicing of the lab equipment. - A clean and organized laboratory is maintained. - Avoiding the use of cell phones. - Appropriate storage areas are provided. - Dust free environment is maintained by blowing dust from the systems at regular intervals. - Sufficient number of windows are available for ventilation and natural light.
12	Project Lab	General Rules of Conduct in Laboratories are displayed. -Specific Safety Rules for students are displayed. - Fire extinguisher is available in each floor. - Stabilizer is available in all the labs to avoid power failure. -Regular checks for leakage in wiring and electrical installations are carried out by the maintenance team -All the major equipment is provided with proper earthing system to protect from electric shock. - Periodical servicing of the lab equipment. - A clean and organized laboratory is maintained. - Avoiding the use of cell phones. - Appropriate storage areas are provided. - Dust free environment is maintained by blowing dust from the systems at regular intervals. - Sufficient number of windows are available for ventilation and natural light.

D3. Project Laboratory/Research 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))/RF
2023-24(CAYm2)	480	24	24	4	83
2024-25(CAYm1)	480	24	24	4	83
2025-26(CAY)	480	24	23	4	80

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

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

Items	Budgeted in 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Infrastructure Built-Up	5000000	3131652	11000000	10241467	6800000	6191397	8000000	7278469
Library	1300000	1279670	140000	1222337	1550000	1413542	1200000	1139267
Laboratory equipment	10000000	1444491	7000000	6609449	10400000	9309086	5700000	5126897
Teaching and non-teaching staff salary	10000000	72531803	100000000	91543423	80000000	72811774	72000000	65490352
Outreach Programs	10000	4300	20000	17200	18000	15600	24000	22396
R&D	150000	27850	370000	339870	138000	126090	110000	100890
Training, Placement and Industry linkage	1200000	168766	1200000	1147073	4200000	3785394	2000000	1708476
SDGs	200000	12230	650000	590251	12000	7100	10000	6640

Entrepreneurship	8000	5500	5000	4500	4500	4100	3500	3200
Miscellaneous	30000000	11328670	20000000	18714462	25000000	22733065	19388900	17626273
Total	**57868000**	**89934932**	**140385000**	**130430032**	**128122500**	**116397148**	**108436400**	**98502860**

E3. Budget Allocation, Utilization, and Public Accounting at Program Specific Level

Table No. E3.1: Budget and actual expenditure incurred at program level.

Items	**Budgeted in 2024-2025**	**Actual Expenses in 2024-2025 till**	**Budgeted in 2023-2024**	**Actual Expenses in 2023-2024 till**	**Budgeted in 2022-2023**	**Actual Expenses in 2022-2023 till**	**Budgeted in 2021-2022**	**Actual Expenses in 2021-2022 till**
Laboratory equipment	350000	257682.40	1300000	1265340.06	6530000	6529708.24	900000	868323
Software	300000	206500.0	350000	313470	40000	36705	130000	126000
SDGs	40000	3057	150000	147562.75	2500	1775	2000	1660
Support for faculty development	30000	11250	28000	2550	26000	25200	5000	2650
R & D	25000	5900	65000	64545	50000	12052.50	40000	39382
Industrial Training, Industry expert, Internship	300000	43636	300000	119281	300000	248556	200000	87091
Miscellaneous Expenses*	4000000	1292591.25	5500000	5186746.25	4500000	3520479.46	4500000	4423759.75
Total	**5045000**	**1820616.65**	**7693000**	**7099495.06**	**11448500**	**10374476.20**	**5777000**	**5548865.75**