NATIONAL BOARD OF ACCREDITATION

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

Program Name : ELECTRONICS AND COMMUNICATION ENGINEERING	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 11736	**Date of Submission**: 22-04-2026

PART A- Profile of the Institute

A1.Name of the Institute: B.M.S.COLLEGE OF ENGG.	
Year of Establishment : 1946	Location of the Institute: Bengaluru
A2. Institute Address:NIL	
City:BANGALORE	State:Karnataka
Pin Code:560019	Website:WWW.BMSCE.AC.IN
Email:principal@bmsce.ac.in	Phone No(with STD Code):9180-26622130
A3. Name and Address of the Affiliating University (if any):	
Name of the University :	City: Bangalore Urban
State : Karnataka	Pin Code: 560019
A4. Type of the Institution: Any Other(Please Specify)	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **18**
- No. of PG programs: **14**

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	Computer Application	PG	Master of Computer Application	1984	--	Computer Application
2	Engineering & Technology	UG	Aerospace Engineering	2018	2025	Aerospace Engineering
3	Engineering & Technology	UG	Artificial Intelligence and Data Science	2022	--	Artificial Intelligence and Data Science
4	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2020	--	Artificial Intelligence and Machine Learning
5	Engineering & Technology	UG	Biotechnology	2002	--	Biotechnology
6	Engineering & Technology	UG	Chemical Engineering	1995	--	Chemical Engineering
7	Engineering & Technology	UG	Civil Engineering	1946	--	Civil Engineering
8	Engineering & Technology	PG	Computer Networking & Engineering	2011	2026	Information Science and Engineering
9	Engineering & Technology	UG	Computer Science and Business System	2023	--	Computer Science and Business System

10	Engineering & Technology	UG	Computer Science and Engineering	1983	--	Computer Science and Engineering
11	Engineering & Technology	PG	Computer Science and Engineering	1993	--	Computer Science and Engineering
12	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2022	--	Computer Science and Engineering (Data Science)
13	Engineering & Technology	UG	Computer Science and Engineering (Internet of Things and Cyber Security including Blockchain Technology)	2022	--	Computer Science and Engineering (Internet of Things and Cyber Security including Blockchain Technology)
14	Engineering & Technology	PG	Construction Technology	1983	--	Civil Engineering
15	Engineering & Technology	PG	Digital Communications	1996	2026	Electronics and Communication Engineering
16	Engineering & Technology	UG	Electrical & Electronics Engineering	1946	--	Electrical and Electronics Engineering
17	Engineering & Technology	PG	Electronics	1986	2026	Electronics and Communication Engineering
18	Engineering & Technology	UG	Electronics & Communication Engineering	1971	--	Electronics and Communication Engineering
19	Engineering & Technology	UG	Electronics & Instrumentation Engineering	1991	2024	Electronics and Instrumentation Engineering
20	Engineering & Technology	UG	Electronics and Telecommunication Engineering	1986	2024	Electronics and Telecommunication Engineering
21	Engineering & Technology	PG	Environmental Engineering	1997	--	Civil Engineering
22	Engineering & Technology	UG	Industrial Engineering & Management	1979	--	Industrial Engineering and Management
23	Engineering & Technology	UG	Information Science & Engineering	1987	2024	Information Science and Engineering
24	Engineering & Technology	PG	Machine Design	1985	--	Mechanical Engineering
25	Engineering & Technology	PG	Manufacturing Science & Engineering	2014	2023	Mechanical Engineering
26	Engineering & Technology	UG	Mechanical Engineering	1946	--	Mechanical Engineering
27	Engineering & Technology	UG	Medical Electronics	1992	2024	Medical Electronics
28	Engineering & Technology	PG	Power Electronics	1991	--	Electrical and Electronics Engineering
29	Engineering & Technology	PG	Thermal Engineering	2019	2023	Mechanical Engineering
30	Engineering & Technology	PG	Transportation Engineering & Management	2006	--	Civil Engineering
31	Engineering & Technology	PG	VLSI & Embedded Systems	2014	--	Electronics and Communication Engineering
32	Management	PG	Master of Business Administration	1992	--	Management

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
Artificial Intelligence and Machine Learning	Yes	Artificial Intelligence and Machine Learning	UG

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

Allied Department/Cluster Name	Program Name	Program Level
Medical Electronics	Medical Electronics	UG
Electronics and Instrumentation Engineering	Electronics & Instrumentation Engineering	UG
Electronics and Telecommunication Engineering	Electronics and Telecommunication Engineering	UG

PART-B: Program information

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

Table No. B1: Program details.
A. List of the Programs Offered by the Department:
List of the Allied Departments/Cluster and Programs:

SR.NO.	ALLIED DEPARTMENT NAME	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FR
1	Electronics and Instrumentation Engineering	Electronics & Instrumentation Engineering	UG	1991 / 2024	30	Yes	2018	0	2018	South-West/1-3516083173/2018/EOA	Granted accreditation for 3 years for the period (specify period)	--

Sanctioned Intake for Last Five Years for the Electronics & Instrumentation Engineering	
Academic Year	**Sanctioned Intake**
2025-26	0
2024-25	0
2023-24	60
2022-23	60
2021-22	60
2020-21	60

2	Medical Electronics	Medical Electronics	UG	1992 / 2024	30	Yes	2018	0	2018	F.No. South-West/1-43660717372/2024/EOA/Corrigendum-1	Granted accreditation for 3 years for the period (specify period)	--

SR.NO.	ALLIED DEPARTMENT NAME	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FF

Sanctioned Intake for Last Five Years for the Medical Electronics	
Academic Year	**Sanctioned Intake**
2025-26	0
2024-25	0
2023-24	60
2022-23	60
2021-22	60
2020-21	60

3	Electronics and Telecommunication Engineering	Electronics and Telecommunication Engineering	UG	1986 / 2024	60	Yes	2024	0	2024	F.No. South-West/1-43660717372/2024/EOA/Corrigendum-1	Granted accreditation for 3 years for the period (specify period)	--

Sanctioned Intake for Last Five Years for the Electronics and Telecommunication Engineering	
Academic Year	**Sanctioned Intake**
2025-26	0
2024-25	0
2023-24	60
2022-23	60
2021-22	60
2020-21	60

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

A. Name of the HoD :	Dr. K.P.Lakshmi
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)	420	420	276	276	240	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	381	419	276	295	222	207	209

N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	27	27	24	18	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	37	38	27	24	4	16	15
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	418	484	330	343	244	240	242

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)	420	381	37	99.52
2024-25 (CAYm1)	420	419	38	108.81
2023-24 (CAYm2)	276	276	27	109.78

Average [(ER1 + ER2 + ER3) / 3] = 106.04≡ 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).	258.00	240.00	242.00
B=No. of students who graduated from the program in the stipulated course duration	198.00	190.00	182.00
Success Rate (SR)= (B/A) * 100	76.74	79.17	75.21

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 77.04

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)
Mean of CGPA or mean percentage of all successful students(X)	7.99	8.14	8.41
Y=Total no. of successful students	442.00	289.00	289.00
Z=Total no. of students appeared in the examination	455.00	303.00	295.00
API [X*(Y/Z)]	8.73	7.76	8.24

Average API[(AP1+AP2+AP3)/3] : 8.24

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)	7.75	7.78	7.77

Y=Total no. of successful students	321.00	315.00	239.00
Z=Total no. of students appeared in the examination	316.00	313.00	239.00
API [X * (Y/Z)]	7.87	7.83	7.77

Average API [(AP1 + AP2 + AP3)/3] : 7.82

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)	7.93	7.75	6.63
Y=Total no. of successful students	314.00	236.00	216.00
Z=Total no. of students appeared in the examination	315.00	239.00	218.00
API [X*(Y/Z)]:	7.90	7.65	6.57

Average API [(AP1 + AP2 + AP3)/3] : 7.37

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	258.00	216.00	211.00
X=No. of students placed	174.00	110.00	168.00
Y=No. of students admitted to higher studies	10.00	10.00	14.00
Z= No. of students taking up entrepreneurship	1.00	0.00	3.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	71.71	78.70	87.68

Average Placement Index = (P_1 + P_2 + P_3)/3: 79.36 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	Dr. K.P.Lakshmi	XXXXXXX24E	Ph.D	IISc	Instrumentation and Applied Physics (Materials for memory applications)	22/07/2005	20.8	Lecturer	Professor	20/06/2018	Regular	Yes		Yes

2	Dr D Seshachalam	XXXXXXX65M	Ph.D	MNNIT	Nonlinear Control Engineering and Embedded Systems	31/10/2009	16.5	Professor	Professor		Regular	Yes		No
3	Dr Suma M N	XXXXXXX74Q	Ph.D	VTU	Wireless Communications	11/10/1999	27	Lecturer	Professor	04/04/2016	Regular	Yes		No
4	Dr Poornima G	XXXXXXX33D	Ph.D	BU	Digital Communication	19/05/1999	27	Lecturer	Professor	09/03/2016	Regular	Yes		No
5	Dr Siddappaji	XXXXXXX65H	Ph.D	VTU	Signal Processing and Communications	03/10/2001	25	Lecturer	Professor	29/06/2017	Regular	Yes		No
6	Dr Sudhindra K R	XXXXXXX81Q	Ph.D	VTU	Wireless Communications	23/04/2014	12	Associate Professor	Professor	01/02/2019	Regular	Yes		No
7	Dr Vasundhara Patel K S	XXXXXXX25F	Ph.D	BU	VLSI Circuit Design	10/06/1999	27	Lecturer	Professor	18/06/2018	Regular	No	31/07/2025	No
8	Dr Akhila S	XXXXXXX59A	Ph.D	VTU	Wireless Communications	15/04/1995	30.11	Lecturer	Professor	19/11/2014	Regular	No	31/03/2026	No
9	Dr Veena M B	XXXXXXX69F	Ph.D	VTU	VLSI Signal Processing	11/08/2014	11.7	Associate Professor	Professor	11/08/2017	Regular	Yes		No
10	Dr R Kalpana	XXXXXXX80B	Ph.D	Anna University	Biomedical Signal and Image	25/02/1999	27	Lecturer	Professor	30/06/2023	Regular	Yes		No
11	Dr Beena Ullala Mata B N	XXXXXXX25G	Ph.D	VTU	Signal and Image Processing	20/11/1997	28	Lecturer	Professor	30/06/2023	Regular	Yes		No
12	Dr. Geetishree Mishra	XXXXXXX74B	Ph.D	VTU	Embedded systems, AI ML/DL	30/09/2008	18	Lecturer	Professor	07/06/2024	Regular	Yes		No
13	Shaila Hegde	XXXXXXX50K	M.Tech	KREC, NITK SURATHKAL	Digital Electronics and Advanced Communication	04/05/1999	26.11	Lecturer	Associate Professor	29/07/2013	Regular	Yes		No
14	Sujatha K	XXXXXXX24K	M.E.	BU	Electronics	10/05/1999	26.10	Lecturer	Associate Professor	29/07/2013	Regular	Yes		No
15	Dr. Arathi R Shankar	XXXXXXX32L	Ph.D	VTU	Wireless Communications	01/02/1992	34.2	Lecturer	Associate Professor	18/08/2008	Regular	Yes		No
16	Dr. Jayanthi K Murthy	XXXXXXX16A	Ph.D	VTU	Wireless Communications	08/05/1995	30.11	Lecturer	Associate Professor	18/08/2008	Regular	Yes		No
17	Dr. Surendra H H	XXXXXXX83K	Ph.D	VTU	Renewable Energy	30/09/2008	17.5	Assistant Professor	Associate Professor	01/06/2023	Regular	Yes		No
18	Dr. Madhusudhan K N	XXXXXXX32K	Ph.D	Anna University	Image Security	02/08/2010	15.7	Assistant Professor	Associate Professor	15/08/2023	Regular	Yes		No
19	Dr. Lalitha S	XXXXXXX35R	Ph.D	BIHER Chennai	Biomedical Instrumentation	05/03/2009	17.1	Assistant Professor	Associate Professor	03/07/2023	Regular	Yes		No
20	Dr. Kiran Bailey	XXXXXXX75B	Ph.D	BU	VLSI	21/05/1998	27.10	Lecturer	Associate Professor	14/07/2016	Regular	Yes		No

21	Vijaya K	XXXXXXX95M	M.Tech	VTU	Electronics	14/05/2005	19.11	Assistant Professor	Assistant Professor		Regular	No	29/04/2025	No
22	Sowmya Sunkara	XXXXXXX16R	M.Tech	VTU	Electronics	04/10/2005	20.6	Lecturer	Assistant Professor		Regular	Yes		No
23	Radha R C	XXXXXXX40C	M.Tech	VTU	Digital Electronics	13/04/2009	16.11	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Harshitha B	XXXXXXX70P	M.Tech	VTU	Electronics	25/02/2012	13.1	Assistant Professor	Assistant Professor		Regular	No	15/04/2025	No
25	Dr H R Archana	XXXXXXX72N	Ph.D	VTU	VLSI	04/02/2014	12.1	Assistant Professor	Assistant Professor		Regular	Yes		No
26	Bhavana H T	XXXXXXX91A	M.Tech	VTU	Digital Communication Engineering	19/08/2014	11.7	Lecturer	Assistant Professor		Regular	Yes		No
27	Sanjana T	XXXXXXX75B	M.Tech	VTU	Digital Communication Engineering	19/08/2014	11.7	Lecturer	Assistant Professor		Regular	Yes		No
28	Dr. MaligiAnantha Sunil	XXXXXXX50K	Ph.D	IISc	Thinfilm solar cells Nanomaterials	02/08/2018	7.8	Assistant Professor	Assistant Professor		Regular	Yes		No
29	Dr. Hemavathi	XXXXXXX65B	Ph.D	VTU	Wireless communication	09/08/2019	6.7	Assistant Professor	Assistant Professor		Regular	Yes		No
30	Pooja A P	XXXXXXX81E	M.Tech	VTU	Information and communication Systems	09/08/2019	6.7	Assistant Professor	Assistant Professor		Regular	Yes		No
31	Ashwini V	XXXXXXX83J	M.Tech	VTU	Electronics	30/09/2008	17.5	Assistant Professor	Assistant Professor		Regular	Yes		No
32	Shrisha M.R	XXXXXXX56H	M.Tech	VTU	VLSI and Embedded Systems	16/08/2019	6.7	Assistant Professor	Assistant Professor		Regular	Yes		No
33	Eesha D	XXXXXXX99E	M.Tech	VTU	Digital Communication	12/10/2019	6.5	Assistant Professor	Assistant Professor		Regular	Yes		No
34	Suprith Kumar K S	XXXXXXX74K	M.Tech	VTU	Digital Communication	02/01/2021	5.2	Assistant Professor	Assistant Professor		Regular	Yes		No
35	Dr. J Dinesh Reddy	XXXXXXX22E	Ph.D	NIT Suratkal	VLSI - ASIC/FPGA Design	22/09/2010	14.11	Assistant Professor	Assistant Professor		Regular	No	08/09/2025	No
36	Harish V Mekali	XXXXXXX16K	M.Tech	VTU	VLSI and Embedded Systems	13/08/2010	15.7	Lecturer	Assistant Professor		Regular	Yes		No
37	Dr. Karthikeya G.S	XXXXXXX03Q	Ph.D	IIT Delhi	Antenna	02/01/2023	3.2	Assistant Professor	Assistant Professor		Regular	Yes		No
38	Dr. Jisha P	XXXXXXX90F	Ph.D	VTU	VLSI and Sensors	03/11/2021	4.4	Assistant Professor	Assistant Professor		Regular	Yes		No

39	Priyadarshini Jainapur	XXXXXXX62B	M.Tech	VTU	VLSI Design and Embedded systems	28/07/2014	11.8	Assistant Professor	Assistant Professor		Regular	Yes		No
40	K Poornima Kamath	XXXXXXX12N	M.Tech	VTU	VLSI and Embedded Systems	17/02/2017	9.1	Assistant Professor	Assistant Professor		Regular	Yes		No
41	Jyoti RaviKKumar	XXXXXXX52G	M.E.	BU	Electronics and Communication	28/07/2014	11.8	Assistant Professor	Assistant Professor		Regular	Yes		No
42	Dr. Latha H N	XXXXXXX76P	Ph.D	IIT KGP	Image Processing and ML	05/10/2005	20.6	Assistant Professor	Assistant Professor		Regular	Yes		No
43	Dr. Shachi P	XXXXXXX59E	Ph.D	VTU	Electronics and Instrumentation	04/01/2021	4.8	Assistant Professor	Assistant Professor		Regular	No	25/09/2025	No
44	Monika Sharma D	XXXXXXX34H	M.Tech	VTU	VLSI and Embedded Systems	01/06/2023	2.10	Assistant Professor	Assistant Professor		Regular	Yes		No
45	Dr. Feroz Morab	XXXXXXX68C	Ph.D	VTU	Communication Engineering	12/01/2023	3.2	Assistant Professor	Assistant Professor		Regular	Yes		No
46	Dr. Shivkumar M	XXXXXXX38C	Ph.D	VTU	Data analytics and instrumentation	23/04/2024	1.11	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
47	Geeta	XXXXXXX35E	M.Tech	VTU	VLSI and Embedded systems	21/11/2014	11.4	Assistant Professor	Assistant Professor		Regular	Yes		No
48	Dr. Rajeshwari Hegde	XXXXXXX51J	Ph.D	BU	Embedded Systems	07/11/1994	31.4	Lecturer	Professor	01/07/2013	Regular	Yes		No
49	Dr. C. Gururaj	XXXXXXX38R	Ph.D	Jain University	Image Processing and VLSI	03/04/2009	16.11	Assistant Professor	Professor	03/04/2025	Regular	Yes		No
50	Dr.Ambika K	XXXXXXX56Q	Ph.D	VTU	Biometrics, Signal processing	03/08/2010	15.8	Assistant Professor	Associate Professor	30/09/2023	Regular	Yes		No
51	Archana K	XXXXXXX49K	M.Tech	VTU	Digital Communication and networking	27/01/2014	12.2	Assistant Professor	Assistant Professor		Regular	Yes		No
52	Dr. Prasanna Kumar MK	XXXXXXX52B	Ph.D	VTU	Signal processing and communication	27/01/2014	12.2	Assistant Professor	Assistant Professor		Regular	Yes		No
53	Ajay Kumar D	XXXXXXX52K	M.Tech	University of Hyderabad	SOC, VLSI, DAQ and Reconfigurable Hardware	11/02/2012	14.1	Assistant Professor	Assistant Professor		Regular	Yes		No
54	Dr. N. Srinivasa Rao	XXXXXXX00M	Ph.D	SVU	VLSI	28/10/1991	34.5	Assistant Professor	Associate Professor	03/03/2007	Regular	Yes		No
55	Dr.Manjunath PS	XXXXXXX59F	Ph.D	SVU	Wireless Communication	26/11/2007	18.4	Assistant Professor	Associate Professor	16/06/2023	Regular	Yes		No
56	Dr. Veena N. Hegde	XXXXXXX60N	Ph.D	VTU	Bio Medical Signal Processing	29/11/1993	32.4	Assistant Professor	Professor	11/07/2016	Regular	Yes		No

57	Dr. K Vijayalakshmi	XXXXXXX76P	Ph.D	Vinayaka Mission	Biomedical	18/03/1996	30	Lecturer	Professor	25/07/2019	Regular	Yes		No
58	Dr.Bhanuprashanth	XXXXXXX70N	Ph.D	IISC	Instrumentation	25/01/2016	10.2	Professor	Professor		Regular	Yes		No
59	Dr. H.N.Suma	XXXXXXX27N	Ph.D	Mysore University	Medical Image Processing	03/03/1997	29.1	Lecturer	Professor	02/11/2009	Regular	Yes		No
60	Dr. Suma M S	XXXXXXX59L	Ph.D	BU	VLSI	02/01/2017	9.2	Professor	Professor		Regular	Yes		No
61	Dr. Santosh Desai	XXXXXXX05C	Ph.D	Indian Institute of Technology, Roorkee	Control Systems	27/10/1999	26.5	Lecturer	Professor	03/09/2019	Regular	Yes		No
62	Dr.Mamatha M N	XXXXXXX81M	Ph.D	Vinayaka Missions University	Bio Medical and Data Acquisition	04/10/1995	30.5	Lecturer	Professor	31/07/2013	Regular	Yes		No
63	Dr. Joshi Manisha Shivaram	XXXXXXX43L	Ph.D	Shivaji University	Electronics	08/11/1999	26.4	Lecturer	Professor	10/03/2018	Regular	Yes		No
64	Dr. Rajanikanth K N	XXXXXXX64P	Ph.D	IIIT BANGALORE	Avionics software and embedded systems	16/01/2020	6.2	Associate Professor	Associate Professor		Regular	Yes		No
65	Dr. Meera. A	XXXXXXX41G	Ph.D	Mysore University	Image processing	08/08/1986	37.9	Lecturer	Professor	14/02/2012	Regular	No	30/04/2024	No
66	Dr.Rajath Vasudevamurthy	XXXXXXX74G	Ph.D	IISc	VLSI Circuits and Systems	02/01/2019	6.2	Assistant Professor	Assistant Professor		Regular	No	18/03/2025	No
67	Sandeep. S	XXXXXXX17G	M.Tech	VTU	VLSI Design and Embedded systems	23/04/2024	0.9	Assistant Professor	Assistant Professor		Contractual Fulltime	No	01/02/2025	No

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

Sr.No	**Name of the Faculty**	**PAN No.**	**APAAR faculty ID*(if any)**	**Highest degree**	**University**	**Area of Specialization**	**Date of Joining in this Institution**	**Experience in years in current institute**	**Designation at Time Joining in this Institution**	**Present Designation**	**The date on which Designated as Professor/ Associate Professor if any**	**Nature of Association (Regular/ Contract/ Ad hoc)**	**Currently Associated (Y/N)**	**In case of NO, Date of Leaving**	**IS HOD?**
1	Dr. K Balachandra	XXXXXXX21L	NA	Ph.D	IIIT BANGALORE	Signal Processing	06/03/2009	17	Assistant Professor	Professor	07/03/2025	Regular	Yes		Yes
2	Dr. B. Kanmani	XXXXXXX22A	NA	Ph.D	IISC	Signal Processing, Communication	25/10/1995	30.2	Assistant Professor	Professor	21/05/2007	Regular	No	31/12/2025	No
3	Dr. M. Vasantha Lakshmi	XXXXXXX83A	NA	Ph.D	VTU	Wireless communication	05/10/2005	20.5	Assistant Professor	Associate Professor	31/05/2021	Regular	Yes		No
4	Dr. K.P Pushpavathi	XXXXXXX42K	NA	Ph.D	VTU	wireless communication	14/10/2005	20.5	Assistant Professor	Assistant Professor		Regular	Yes		No

5	T. Anushalalitha	XXXXXXX03E	NA	M.E.	Annamalai University	Signal processing and communication	14/10/2005	20.5	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Shreenivas B	XXXXXXX53J	NA	MS	Newark College Of Engineering	Electrical Engineering	05/08/2010	15.7	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Dr. Preethi K. Mane	XXXXXXX89F	NA	Ph.D	VTU	Occupancy Sensing and Processing	16/03/1996	30	Assistant Professor	Associate Professor	17/03/2009	Regular	Yes		No
8	Dr. Kumuda S	XXXXXXX56D	NA	Ph.D	NIT TIRICHY	Flexible thin film sensors	14/09/2011	14.6	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mr. Krishna Murthy K.T.	XXXXXXX51N	NA	M.Tech	VTU	VLSI and Embedded Systems	10/11/2016	9.4	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Dr.Vani.A	XXXXXXX41H	NA	Ph.D	VTU	Biomedical	03/02/2020	6.1	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Dr. Niranjan K R	XXXXXXX90B	NA	Ph.D	Chaudhary Charan Singh University	Computer Science	12/08/2010	15.7	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Dr. Appaji M Abhishek	XXXXXXX14G	NA	Ph.D	Maastricht University	Neuroscience	29/09/2010	15.6	Assistant Professor	Associate Professor	06/11/2021	Regular	Yes		No
13	Dr. R.Jayagowri	XXXXXXX16Q	NA	Ph.D	Jawaharlal Nehru of Technology Hyderabad	VLSI - Design for Testability	18/08/2014	11.7	Associate Professor	Professor	21/09/2020	Regular	Yes		No
14	Prof. Sirasappa Y.Pattar	XXXXXXX19B	NA	M.Tech	Mangalore University	Biomedical Engineering	18/03/1996	27.5	Assistant Professor	Associate Professor	01/03/2006	Regular	No	31/08/2023	No

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 Department3

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	462	303	303
UG1.C	303	303	264
UG1.D	303	264	198
UG1: Electronics & Communication Engineering	**1068**	**870**	**765**
UG2.B	0	66	66
UG2.C	66	66	66
UG2.D	66	66	66
UG2: Electronics and Telecommunication Engineering	**132**	**198**	**198**
UG3.B	0	66	64
UG3.C	66	64	66
UG3.D	64	66	66
UG3: Medical Electronics	**130**	**196**	**196**
UG4.B	0	66	66
UG4.C	66	66	66
UG4.D	65	66	66
UG4: Electronics & Instrumentation Engineering	**131**	**198**	**198**
PG1.A	6	6	18
PG1.B	6	18	18
PG1: Digital Communications	**12**	**24**	**36**
PG2.A	6	6	18
PG2.B	6	18	18
PG2: Electronics	**12**	**24**	**36**
PG3.A	24	24	24
PG3.B	24	24	24
PG3: VLSI & Embedded Systems	**48**	**48**	**48**
DS=Total no. of students in all UG and PG programs in the Department	1140	966	885
AS=Total no. of students of all UG and PG programs in allied departments	393	592	592
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 1533	**S2=** 1558	**S3=** 1477
DF=Total no. of faculty members in the Department	58	62	65
AF= Total no. of faculty members in the allied Departments	12	13	13
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 70	**F2=** 75	**F3=** 78
FF=The faculty members in F who have a 100% teaching load in the first-year courses	4	4	4

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 23.23**	**SFR2= 21.94**	**SFR3= 19.96**
Average SFR for 3 years	**SFR= 21.71**		

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)	48	22	76.00	18.68
2024-25(CAYm1)	51	24	77.00	19.68
2023-24(CAYm2)	51	27	73.00	21.16

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	8.00	22.00	16.00	13.00	50.00	34.00
2024-25	8.00	23.00	17.00	15.00	51.00	36.00
2023-24	8.00	23.00	16.00	15.00	48.00	40.00
Average	RF1=8.00	AF1=22.67	RF2=16.33	AF2=14.33	RF2=49.67	AF2=36.67

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Tousif Pasha	Guest Lecturer	Maharani's Science College	Biology for Engineers	45.00
2	Mrs. Bhagya L	Guest Lecturer	Freelance	Introduction tolectronics Engineering	40.00

(CAYm2)

(CAYm3)

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	52	36	34
2	No. of peer reviewed conference papers published	41	21	41
3	No. of books/book chapters published	4	5	10

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Vasundara Patel K S	Dr Rajat Vasudevamurthy ,Dr Veena M B, Dr. Kiran Bailey	ECE	Ground Penetrating Radar With Reconfigurable Capability	Meity: Chip To Startup Programme	3 years	12.19
Dr Santosh R Desai		ECE	Sustainable Health with Technological Advancements	AICTE Training And Learning (ATAL) Academy	4 months	1.00
Dr.K.Vijayalakshmi		ECE	Anthakarana- Design and development of assistive technology for mind and body wellness	VTU collaborative research Funding	2 years	25.00
Dr. Suma.M.S	Dr. Jisha P	ECE	Development of a Polymer Nano composite based Rapid Malaria Sensing Device	SERB POWER Grant	3 years	3.00
						Amount received (Rs.):41.19

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Vasundara Patel K S	Dr Rajat Vasudevamurthy, Dr Veena M B, Dr. Kiran	ECE	Ground Penetrating Radar With Reconfigurable Capability	Meity: Chip To Startup Programme	3 Years	9.01
Dr. Suma.M.S	Dr. Jisha P	ECE	Development of a Biosensor for Early Detection of Cervical Cancer	DST- Nidhi Prayas Grant	1 year	10.00
Dr. Suma.M.S	Dr. Jisha P	ECE	Development of a Polymer Nano composite based Rapid Malaria Sensing Device	SERB POWER Grant	3 years	4.54
						Amount received (Rs.):23.55

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. K R Sudhindhra	Dr. M N Suma	ECE	Investigation On Antenna Design Using High Performance Materials For Next Generation Wireless Networks	VGST	2 years	13.83
Dr. Rajath Vasudevamurthy		ECE	Investigation Of Indian Calendar Systems	Indian Knowledge Systems Division of MoE @ AICTE	1.5 years	1.88
Dr.Archana H R	Dr.Surendra H H, Dr.Siddappaji	ECE	RF OQC, RF Talent And System Integrations	LiveOn TechnoLabs	2 Years	3.00
Dr.Archana H R	Dr.Surendra H, Dr.Sudheendra	ECE	Smart Crate Management System	Clover ventures pvt.ltd	3 months	0.20
Dr.K.P.Lakshmi	Dr Sunil Maligi	ECE	Fabrication and characterization of Te for sensing and waveguiding applications	VGST	2 years	7.50
						Amount received (Rs.):26.41

Total Amount (Lacs) Received for the Past 3 Years: 91.15

Note*:

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

C8. Consultancy Work

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. G S Karthikeya		ECE	Development Of 1 M Parabolic Reflector Antenna With Ku Band Feed	Space Pulse Techno-Solutions Pvt Ltd	6 months	5.90
						Amount received (Rs.):5.90

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
						Amount received (Rs.):0

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. K R Sudhindra	DR. H H Surendra, Dr. H R Archana, Dr. K N Madhusudhan, Dr. S Lalitha	ECE	Detection Of Diabetic Retinopathy And Its Types Using MATLAB	Belaku Eye Hospital, Bangalore	2 years	1.00
						Amount received (Rs.):1.00

Total amount (Lacs) received for the past 3 years: 6.90

Note*:

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

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

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

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Karthikeya G S	C-Designed Antenna Modules For Mulit-Octave Wireless Standards	2 years	1.40	0.60	1 Journal paper 2 Patents granted 1 Patent published
			Amount received (Rs.): 1.40		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Karthikeya G S	C-Designed Antenna Modules For Mulit-Octave Wireless Standards	2 years	1.40	0.80	2 Journal papers
Dr. Kiran Bailey Prof. K Sujatha Dr. Navakanta Bhat, CeNSE, IISC	Cubic Spinel Ferrites For Toxic Gas Sensing At Sub-Ppm Concentrations	2 years	2.00	0.30	paper publication
Dr. Jisha p	Development of Biosensor to detect biomarker for Neuroblastoma	2 years	1.85	1.85	1 Paper published
			Amount received (Rs.): 5.25		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Kiran Bailey Prof. K Sujatha Dr. Navakanta Bhat, CeNSE, IISC	Cubic Spinel Ferrites For Toxic Gas Sensing At Sub-Ppm Concentrations	2 years	2.00	1.70	1 Paper published
			Amount received (Rs.): 2.00		

Total amount (Lacs) received for the past 3 years : 8.65

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	L-304 Computer Lab	30	HP Elite Tower 800 G9 Intel Core i7-12700 (12th Gen, 2.10 GHz base) RAM: 32 GB (31.7 GB usable) System	VI Sem- Mixed	Radha B, Sharath S	Assistant Instructor, Assist	BE, BE
2	L-305 – Integrated Electronics Lab	30	Hardware: CRO, POWER SUPPLY, OP-AMP SUPPLY, SIGNAL GENERATOR,DRB, DCB, DIB	III Sem-IEL Lat	Renuka Rampur, Ravindra	Assistant Instructor, Assist	ITI, ITI
3	L-306 – Communication and Project Lab	30	Hardware: CRO, POWER SUPPLY, OP-AMP SUPPLY, SIGNAL GENERATOR,DRB, DCB, DIB	IV Sem –PCS l	Preethu Devaiah, Geetha	Instructor, Assistant Instru	Diploma, BE
4	L-308 Hi Tech Networking and Embedded Lab Embedded Lab and Incubation	45	Model: HP PRODESK 600 GPMT Processor: INTEL CORE I7 RAM-16GB HDD-1TB(30 PC'S) MODEL:HP	III Sem -Signa	Yashaswini	Instructor	BE
5	L-309 ARM Processor and Programming	15	HP Z1 Tower G1iIntel Core Ultra 7 (latest gen, up to ~5.0+ GHz boost, hybrid cores)32 GB DDR5Storage: 2	IV Sem- ARM	Srinivas A.	Instructor	ITI
6	ETE Lab Principles of Communication system	15	Hardware: CRO, POWER SUPPLY, OP-AMP SUPPLY, SIGNAL GENERATOR,DRB, DCB, DIB	IV - PCS Lab	Saritha A.N.	Instructor	Diploma
7	ETE Computer Lab ARM Processor and Programming	30	HP Z1 Tower G1iIntel Core Ultra 7 (latest gen, up to ~5.0+ GHz boost, hybrid cores)32 GB DDR5Storage: 2	IV Sem- ARM I	Venkatesh M.S.	Instructor	ITI
8	Instrumentation Lab Principles of Communication system	16	Hardware: CRO, POWER SUPPLY, OP-AMP SUPPLY, SIGNAL GENERATOR,DRB, DCB, DIB	III Sem –IEL La	Sachitha S R Siddaiah	Assistant Instructor, Assist	SSLC, Diploma
9	Medical Electronics Lab Principles of Communication system	15	Hardware: CRO, POWER SUPPLY, OP-AMP SUPPLY, SIGNAL GENERATOR,DRB, DCB, DIB	IV - PCS Lab	Pandurang Kulkarni	Instructor	Diploma

10	Medical Electronics Lab ARM Processor and Programming	15	HP Z1 Tower G1iIntel Core Ultra 7 (latest gen, up to ~5.0+ GHz boost, hybrid cores)32 GB DDR5Storage: 2	IV Sem- ARM I	Anandathirtha R.S.	Foreman	Diploma
11	C203 Advanced Signal Processing	60	Hardware: Model: HP PRODESK 600GPMTProcessor: INTEL CORE I7RAM-16GBHDD-1TB(30PC'S) HP	VI Sem –ASP	Suresh H.L.	Instructor	ITI
12	C218 Advanced Signal Processing	60	Hardware: Model: HP PRODESK 600GPMTProcessor: INTEL CORE I7RAM-16GBHDD-1TB(30PC'S) HP	VI Sem –ASP I	Naveen G	Assistant Instructor	Diploma
13	L-301 VLSI Design and Embedded Systems	15	HP Z1 Tower G1iIntel Core Ultra 7 (latest gen, up to ~5.0+ GHz boost, hybrid cores)32 GB DDR5Storage: 2	VI Sem –Mixec	Hitendra K	Instructor	BE
14	L-302 Digital Communication and High Frequency Component Design Lab	15	HP Elite Tower 800 G9 Intel Core i7-12700 (12th Gen, 2.10 GHz base) RAM: 32 GB (31.7 GB usable) System	IV Sem- Applie	Srinivas A	Instructor	ITI

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	L-304 Computer Lab	□ All labs have Fire extinguishers as a safety measure. All the faculties and staff members of EC department are trained to use it. □ For any minor injuries, as a safety measure First Aid box is available. • A well-equipped health care center is located within 100m to the campus to handle the emergency cases with ambulance facility. □ In case of abnormal condition of the network means in overload condition, as safety measure MCBs are used to prevent short circuits and automatically switches the electric circuits □ Wooden cabinets are provided to keep the students' belongings □ Dos and Don'ts are predominantly displayed in each lab in the respective display boards
2	L-305 – Integrated Electronics Lab	□ All labs have Fire extinguishers as a safety measure. All the faculties and staff members of EC department are trained to use it. □ For any minor injuries, as a safety measure First Aid box is available. • A well-equipped health care center is located within 100m to the campus to handle the emergency cases with ambulance facility. □ In case of abnormal condition of the network means in overload condition, as safety measure MCBs are used to prevent short circuits and automatically switches the electric circuits □ Wooden cabinets are provided to keep the students' belongings □ Dos and Don'ts are predominantly displayed in each lab in the respective display boards
3	L-306 – Communication and Project Lab	□ All labs have Fire extinguishers as a safety measure. All the faculties and staff members of EC department are trained to use it. □ For any minor injuries, as a safety measure First Aid box is available. • A well-equipped health care center is located within 100m to the campus to handle the emergency cases with ambulance facility. □ In case of abnormal condition of the network means in overload condition, as safety measure MCBs are used to prevent short circuits and automatically switches the electric circuits □ Wooden cabinets are provided to keep the students' belongings □ Dos and Don'ts are predominantly displayed in each lab in the respective display boards
4	L-308 Hi Tech Networking and Embedded Lab Embedded Lab and Incubation Centere)	□ All labs have Fire extinguishers as a safety measure. All the faculties and staff members of EC department are trained to use it. □ For any minor injuries, as a safety measure First Aid box is available. • A well-equipped health care center is located within 100m to the campus to handle the emergency cases with ambulance facility. □ In case of abnormal condition of the network means in overload condition, as safety measure MCBs are used to prevent short circuits and automatically switches the electric circuits □ Wooden cabinets are provided to keep the students' belongings □ Dos and Don'ts are predominantly displayed in each lab in the respective display boards
5	L-309 ARM Processor and Programming	□ All labs have Fire extinguishers as a safety measure. All the faculties and staff members of EC department are trained to use it. □ For any minor injuries, as a safety measure First Aid box is available. • A well-equipped health care center is located within 100m to the campus to handle the emergency cases with ambulance facility. □ In case of abnormal condition of the network means in overload condition, as safety measure MCBs are used to prevent short circuits and automatically switches the electric circuits □ Wooden cabinets are provided to keep the students' belongings □ Dos and Don'ts are predominantly displayed in each lab in the respective display boards

6	ETE Lab Principles of Communication system	□ All labs have Fire extinguishers as a safety measure. All the faculties and staff members of EC department are trained to use it. □ For any minor injuries, as a safety measure First Aid box is available. • A well-equipped health care center is located within 100m to the campus to handle the emergency cases with ambulance facility. □ In case of abnormal condition of the network means in overload condition, as safety measure MCBs are used to prevent short circuits and automatically switches the electric circuits □ Wooden cabinets are provided to keep the students' belongings □ Dos and Don'ts are predominantly displayed in each lab in the respective display boards
7	ETE Computer Lab ARM Processor and Programming	□ All labs have Fire extinguishers as a safety measure. All the faculties and staff members of EC department are trained to use it. □ For any minor injuries, as a safety measure First Aid box is available. • A well-equipped health care center is located within 100m to the campus to handle the emergency cases with ambulance facility. □ In case of abnormal condition of the network means in overload condition, as safety measure MCBs are used to prevent short circuits and automatically switches the electric circuits □ Wooden cabinets are provided to keep the students' belongings □ Dos and Don'ts are predominantly displayed in each lab in the respective display boards
8	Instrumentation Lab Principles of Communication system	□ All labs have Fire extinguishers as a safety measure. All the faculties and staff members of EC department are trained to use it. □ For any minor injuries, as a safety measure First Aid box is available. • A well-equipped health care center is located within 100m to the campus to handle the emergency cases with ambulance facility. □ In case of abnormal condition of the network means in overload condition, as safety measure MCBs are used to prevent short circuits and automatically switches the electric circuits □ Wooden cabinets are provided to keep the students' belongings □ Dos and Don'ts are predominantly displayed in each lab in the respective display boards
9	Medical Electronics Lab Principles of Communication system	□ All labs have Fire extinguishers as a safety measure. All the faculties and staff members of EC department are trained to use it. □ For any minor injuries, as a safety measure First Aid box is available. • A well-equipped health care center is located within 100m to the campus to handle the emergency cases with ambulance facility. □ In case of abnormal condition of the network means in overload condition, as safety measure MCBs are used to prevent short circuits and automatically switches the electric circuits □ Wooden cabinets are provided to keep the students' belongings □ Dos and Don'ts are predominantly displayed in each lab in the respective display boards
10	Medical Electronics Lab ARM Processor and Programming	□ All labs have Fire extinguishers as a safety measure. All the faculties and staff members of EC department are trained to use it. □ For any minor injuries, as a safety measure First Aid box is available. • A well-equipped health care center is located within 100m to the campus to handle the emergency cases with ambulance facility. □ In case of abnormal condition of the network means in overload condition, as safety measure MCBs are used to prevent short circuits and automatically switches the electric circuits □ Wooden cabinets are provided to keep the students' belongings □ Dos and Don'ts are predominantly displayed in each lab in the respective display boards
11	C203 Advanced Signal Processing	□ All labs have Fire extinguishers as a safety measure. All the faculties and staff members of EC department are trained to use it. □ For any minor injuries, as a safety measure First Aid box is available. • A well-equipped health care center is located within 100m to the campus to handle the emergency cases with ambulance facility. □ In case of abnormal condition of the network means in overload condition, as safety measure MCBs are used to prevent short circuits and automatically switches the electric circuits □ Wooden cabinets are provided to keep the students' belongings □ Dos and Don'ts are predominantly displayed in each lab in the respective display boards
12	C218 Advanced Signal Processing	□ All labs have Fire extinguishers as a safety measure. All the faculties and staff members of EC department are trained to use it. □ For any minor injuries, as a safety measure First Aid box is available. • A well-equipped health care center is located within 100m to the campus to handle the emergency cases with ambulance facility. □ In case of abnormal condition of the network means in overload condition, as safety measure MCBs are used to prevent short circuits and automatically switches the electric circuits □ Wooden cabinets are provided to keep the students' belongings □ Dos and Don'ts are predominantly displayed in each lab in the respective display boards

D3. Project Laboratory/Research Laboratory

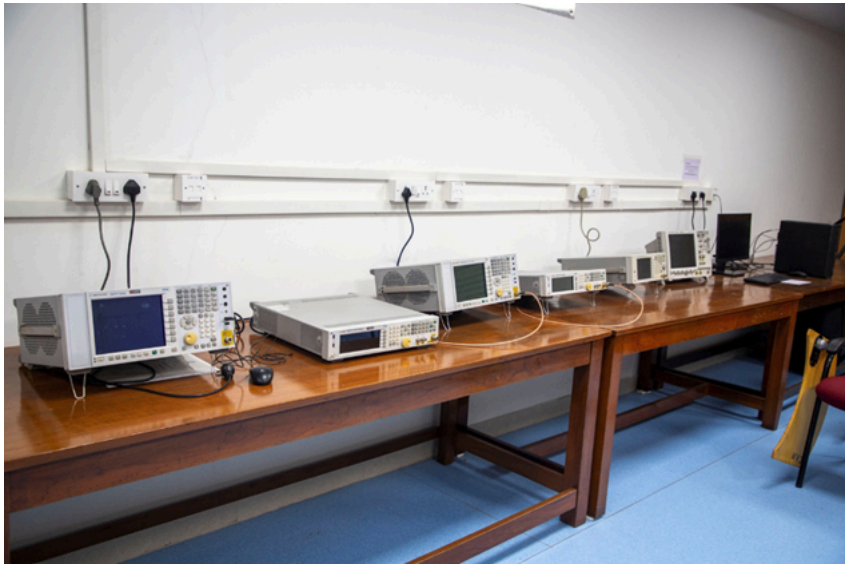
The department of Electronics and Communication Engg.recognised as Research centre at institution level, by the VTU, has always strived hard to enhance the R and D activities in the department. The initiatives include Proposal submissions by faculty for Govt.Rand Grants, prototype development under innovation, Establishing CoE in cutting edge technologies. The department has been recognised as CoE under Govt. India, DOT project and Project sanctioned under State Govt. of Karnataka, VGST. The laboratories set up under project grants have been provided as extended facilities for Ph.D , PG as well as UG students. The UG /PG students make use of these laboratories for conduction of project work and open ended experiments.

The different R & D Labs are given in the following table.

Sl. No.	Domain	Facilities	Applications

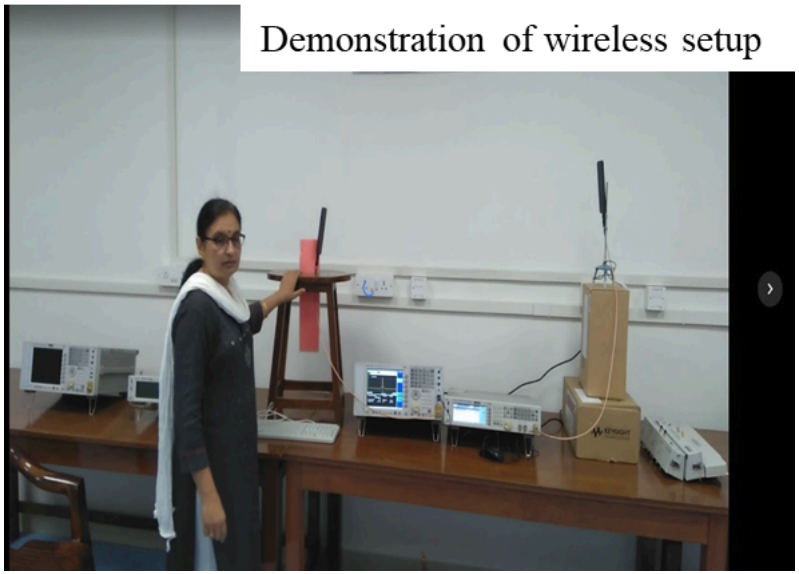
1	CoE ESSCI	Cadence University Bundle Analog & Digital FE & BE (for UG courses) Virtuoso Multi-mode Simulation with AP Simulator-95115 Virtuoso Schematic Editor XL-95210 Virtuoso Analog Design Environment XL -95310 Virtuoso Layout Suite XL -29651Incisive Enterprise Simulator – XL -3002 Virtuoso Digital Implementation -96210 Cadence Physical Verification System Design Rule Checker XL 96220 Cadence Physical Verification System Layout vs Schematic Checker XL-QRCX100 Virtuoso QRC Extraction · Cadence · VHDL/Verilog · FPGA Kits- MEMS-Intellisuite Pynq Z2, Pmod KYPD: 1 6-button Keypad Pmod OLEDrgb: 96 x 64 RGB OLED Display Pmod Pmod DA2: Two 12-bit DIA Outputs Pmod TPH2 : 12-pin Test Point Header Boolean Board Urbana Board Arty A7-100T Kria KR-260 Kria KV (Video) Pynq ZU Zynq UltraScale+ MPSoC ZCUI 04 Advanced Radio Systems Module, Antenna Trainer module, Software for Radar Trainer kit and Antenna Trainer kit.RF Source Generator, Seesii TinySA Ultra + ZS407 7.3GHz Spectrum Analyzer, Pocket Vector Network Analyzer. Quick Connect Beginner Kit · Cadence Tools · Synopsys Tools · Siemens Tools · Vivado	Projects using Cadence Digital circuit design using Verilog , Digital circuit design using circuit simulator Analog and Mixed signal circuit design Analog Circuit design- Projects on components and subsystems for radar design

2	Advanced RF and wireless lab/ Signal processing/ Communications /Networking	Hardware evaluation boards: • TMS6713 DSP • ASLK kits-TI • NXP kits–Microcontroller boards • Vertex Boards-FPGA Test and measurement: • DSO, MXO, 100MHzAgilent Oscilloscope • Arbitrary waveform generator -20MHz • Keysight Mixed signal Oscilloscope -16ch , 100MHz • Vector Signal Generator upto-6GHz • Vector Signal Analyser- upto 7GHz • Vector Network Analyser with mechanical calibration kit • Logic Analyser • wireless SDR platform • Wireless live mobile network testing platform - PCTEL • RF signal generator -9KHz to 3Ghz • EMI EMC probe sets and Omni Antennas upto 2.4GHz. Software • MATLAB2023 CAMPUS WIDE LICENSE/Simulink • Qualnet9.1.2-networksimulator • EXATA–network Emulator • SystemVue	COMMUNICATIONS/Signal Processing Wired/wireless Adaptive modulations Channel Equalization / system identification SDR/OFDM/CDMA/GSM Wireless sensor networks Image processing-satellite/video Audio processing Projects on RF and microwave engineering including aspects of digital communication. Antenna design, fabrication and measurements
3	Propel Lab-6	Variable power supply and Oscilloscope, Soil moisture sensor, IR sensor, Light sensor, Ultrasonic sensor, LPG Gas sensor and Temperature and Humidity sensor, Wi-Fi module, Bluetooth module, Real time clock and motor driver Arduinos of different types, ESP 8266, and Raspberry pi, Hexapod and Firebird V	Projects on embedded systems, robotics and ioT applications
4	Thin Film Lab	Sintering furnace, Vacuum sealing unit, Source meter, Flash evaporation setup, Magnetic stirrer, Spin-Coater, CV Electrode setup.	Fabrication and characterization of Thin Films for sensors, NV memory and Wave-guide applications



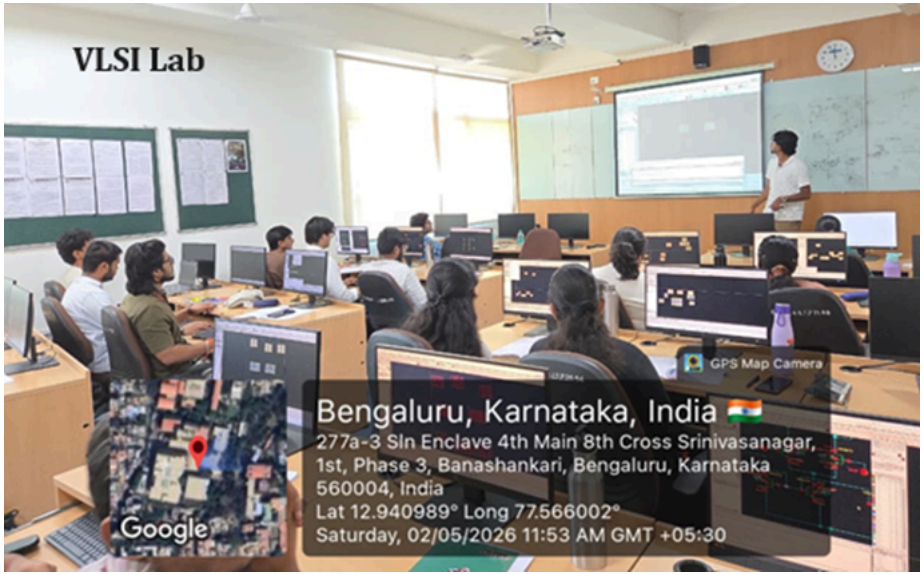
Advanced RF and Wireless Lab

Thin Film Lab



Advanced Wireless and RF Lab

Student Orientation program on Real-time Operating systems : QNX



Miety-Chip to Startup (C2S) Lab

Signal Processing Lab

Summary of outcomes from above facilities

1	Dr. Arathi R Shankar Dr. Karthikeya GS Dr. Jayanthi K Murthy	A Super Compact Antenna System For 5G FR2 And Wi-Fi	202541070278	Granted 02/02/2026	579779
2	Dr. Karthikeya GS	A Single Port Antenna For Resonant And Traveling Wave Modes And A Method Thereof	202441040629	03/09/2025 Granted	570376
CAY-M1 (JUNE 2024 TO MAY 2025)					
SL.NO.	FACULTY	TITLE	APPLICATION NUMBER	STATUS	Patent No.
3	Dr. Karthikeya GS Dr. Suma M N	A Multiport Wideband Antenna And A Method Thereof	202441037104	Granted 19/12/2024	556575
4	Dr.Kiran Bailey	System And Method For Managing Waste	202241034113	Granted 25/03/2025	563559
5	Dr. Karthikeya GS	A Dual-Port Antenna System With Beam Scanning At Millimeter Wave Frequencies And A Method Thereof	202541044398 A Published	30/05/2025	
CAY-M2 (JUNE 2023 TO MAY 2024)					
SL.NO.	FACULTY	TITLE	APPLICATION NUMBER	STATUS	Patent No.
6	Dr. Harish V Mekali	A Heating Element For A Cooking Apparatus Using Dc Power Source	201841014927	Granted 27/01/2024	503798

7	Dr. Suma M N Dr. Sudhindra K R	A System And A Method For Providing Dynamic Beam Steering For An Antenna	202341014217	Granted 19/12/2023	485153

Centre for Innovation,Incubation & Entrepreneurship(CIIE), Institute Innovation Cell(IIC) at institution level , facilitates necessary infrastructure and seed funding to promote Innovation and Entreprenuership

Few of the startups registered/registration in progress from ECE Students :

Sl.No	Name of the Startup	Students Name	Registration Status
1	Flowlock	Mourya	Registration under process
		Nishith	
		Nishant	Registration under process
2	Vimarshira	Ninada	
		Nishant	
3	Electracode pvt ltd	Shrinatha M	Registered

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.

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 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	300000000	7577145	150000000	65619144	150000000	56269485	24500000	56463394
Library	2750000	11236015	2750000	10008298	1800000	11139082	2600000	9839756
Laboratory equipment	51500000	37096874	65000000	45753391	35000000	65719469	51210000	41881691
Teaching and non-teaching staff salary	1205200000	1176874843	1054700000	1061263310	929600000	962959801	936000000	860654090

Outreach Programs	1625000	1390553	1690000	1353770	1300000	987544	1400000	655608
R&D	23100000	19178833	14500000	13701798	12600000	13200363	2500000	4756695
Training, Placement and Industry linkage	12769739	11595686	6750000	8556532	5400000	7577828	4675000	7141792
SDGs	256500	1991129	500000	2983881	200000	2095642	0	1784000
Entrepreneurship	8500000	3230000	4950000	2260000	2340000	1697000	4700000	2587000
Others, specify	573498761	497728710	400460000	447824582	348860000	438438174	304615000	365949051
Total	**2179200000**	**1767899788**	**1701300000**	**1659324706**	**1487100000**	**1560084388**	**1332200000**	**1351713077**

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 2025-26**	**Actual Expenses in 2025-26 till**	**Budgeted in 2024-25**	**Actual Expenses in 2024-25 till**	**Budgeted in 2023-24**	**Actual Expenses in 2023-24 till**	**Budgeted in 2022-23**	**Actual Expenses in 2022-23 till**
Laboratory equipment	910000	802155	5230000	1833097	1730000	2528373	2040000	1639620
Software	100000	38702	170000	36859	200000	290846	1480000	1717317
SDGs	800000	177946	200000	118464	200000	157172	400000	317570
Support for faculty development	200000	38750	35000	6000	70000	6445	50000	2581
R & D	200000	336708	435000	18655	100000	20532	175000	77802
Industrial Training, Industry expert, Internship	200000	113613	100000	26929	100000	15095	180000	19450
Miscellaneous Expenses*	1160000	387703	665000	183996	1900000	228537	2400000	311320
Total	**3570000**	**1895577**	**6835000**	**2224000**	**4300000**	**3247000**	**6725000**	**4085660**