

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electronics & Instrumentation Engineering	Discipline : Engineering & Technology
Level : Under Graduate	Tier : 1
Application No : 11982	Date of Submission : 29-06-2026

PART A- Profile of the Institute

A1.Name of the Institute : DR.AMBEDKAR INSTITUTE OF TECHNOLOGY	
Year of Establishment : 1980	Location of the Institute: Bengaluru
A2. Institute Address : OUTER RING ROAD, NEAR JNANA BHARATHI CAMPUS, MALLATHAHALLI	
City: BANGALORE	State: Karnataka
Pin Code: 560056	Website: www.drait.edu.in
Email: PRINCIPAL@DR-AIT.ORG	Phone No (with STD Code): 080-23211506
A3. Name and Address of the Affiliating University (if any) :	
Name of the University : NIL	City: Belgaum
State : Karnataka	Pin Code: 590018
A4. Type of the Institution : Government Aided Institute	
A5. Ownership Status : Government Aided	

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

- No. of UG programs: **14**
- No. of PG programs: **8**

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	1999	--	Computer Application

2	Engineering & Technology	UG	Aeronautical Engineering	2020	--	Aeronautical Engineering
3	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2022	--	Artificial Intelligence and Machine Learning
4	Engineering & Technology	UG	Civil Engineering	1980	--	Civil Engineering
5	Engineering & Technology	PG	Computer Science & Engineering	2002	--	Computer Science and Engineering
6	Engineering & Technology	UG	Computer Science and Business Systems	2022	--	Computer Science and Business System
7	Engineering & Technology	UG	Computer Science and Engineering	1987	--	Computer Science and Engineering
8	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2025	--	Computer Science and Engineering (Data Science)
9	Engineering & Technology	UG	Electrical and Electronics Engineering	1980	--	Electrical and Electronics Engineering
10	Engineering & Technology	UG	Electronics & Communication Engineering	1982	--	Electronics and Communication Engineering
11	Engineering & Technology	UG	Electronics & Instrumentation Engineering	1985	--	Electronics and Instrumentation Engineering
12	Engineering & Technology	UG	Electronics and Communication Engineering (VLSI Design & Technology)	2025	--	Electronics and Communication Engineering
13	Engineering & Technology	UG	Electronics and Telecommunication Engineering	1990	--	Electronics and Telecommunication Engineering
14	Engineering & Technology	UG	Industrial Engineering & Management	1984	--	Industrial Engineering and Management

15	Engineering & Technology	UG	Information Science & Engineering	1992	--	Information Science and Engineering
16	Engineering & Technology	PG	Machine Design	2013	2025	Mechanical Engineering
17	Engineering & Technology	UG	Mechanical Engineering	1980	--	Mechanical Engineering
18	Engineering & Technology	PG	Power Electronics	2010	--	Electrical and Electronics Engineering
19	Engineering & Technology	PG	Robotics and Artificial Intelligence	2025	--	Mechanical Engineering
20	Engineering & Technology	PG	Structural Engineering	2011	--	Civil Engineering
21	Engineering & Technology	PG	VLSI Design and Embedded System	2004	--	Electronics and Communication Engineering
22	Management	PG	Master of Business Administration	2001	--	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
Electronics and Communication Engineering	Yes	Electronics & Communication Engineering	UG
Electronics and Instrumentation Engineering	Yes	Electronics & Instrumentation Engineering	UG
Electronics and Communication Engineering	Yes	Electronics and Communication Engineering (VLSI Design & Technology)	UG

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

Cluster ID. Name of the Department (in table no. A7.1) Name of allied Departments/Cluster (for table no. A7.1)

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

Electronics and Telecommunication Engineering	Electronics and Telecommunication Engineering	UG
Electronics and Communication Engineering	VLSI Design & Embedded Systems	PG
Electrical and Electronics Engineering	Power Electronics	PG
Electronics and Communication Engineering	Electronics and Communication Engineering (VLSI Design & Technology)	UG

PART-B: Program information

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

Table No. B1: Program details.

A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY APPROVAL DETAILS	A S
1	Electronics & Instrumentation Engineering	UG	1985 / --	60	No	NA	60	1985	South-West/1-46228412584/2026/EOA	C a y p p

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	ANNUAL DE
1	Electronics and Telecommunication Engineering	Electronics and Telecommunication Engineering	UG	1990 / --	60	No	NA	60	1990	F.N 46:
2	Electrical and Electronics Engineering	Electrical and Electronics Engineering	UG	1980 / --	60	No	NA	60	1980	F.N 46:
3	Electronics and Communication Engineering	Electronics & Communication Engineering	UG	1982 / --	180	No	NA	180	1982	F.N 46:
4	Electrical and Electronics Engineering	Power Electronics	PG	2010 / --	18	No	NA	18	2010	F.N 46:
5	Electronics and Communication Engineering	VLSI Design & Embedded Systems	PG	2004 / --	18	No	NA	18	2004	F.N 46:

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	AIU AL DE
6	Electronics and Communication Engineering	Electronics and Communication Engineering (VLSI Design & Technology)	UG	2025 / --	60	No	NA	60	2025	F.N 44

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

A. Name of the HoD :	Dr.Ganapathi V Sagar
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)	60	60	60	60	60	60	60
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	59	57	57	49	44	42	42

N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	7	8	9	15	15	11
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	3	3	0	3	3	3	3
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	62	67	65	61	62	60	56

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)	60	59	3	103.33
2024-25 (CAYm1)	60	57	3	100.00
2023-24 (CAYm2)	60	57	0	95.00

Average [(ER1 + ER2 + ER3) / 3] = 99.44≅ 100.00

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).	66.00	66.00	66.00
B=No. of students who graduated from the program in the stipulated course duration	55.00	51.00	55.00

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 81.31

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)	6.60	6.55	6.30
Y=Total no. of successful students	58.00	54.00	51.00
Z=Total no. of students appeared in the examination	60.00	57.00	52.00
API [X*(Y/Z)]	6.38	6.21	6.18

Average API[(AP1+AP2+AP3)/3] : 6.26

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

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

Academic Performance	CAYm1 (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 2nd year/10)	6.89	6.67	6.51
Y=Total no. of successful students	61.00	60.00	55.00
Z=Total no. of students appeared in the examination	61.00	60.00	58.00
API [X * (Y/Z)]	6.89	6.67	6.17

Average API [(AP1 + AP2 + AP3)/3] : 6.58

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)	7.01	6.99	6.87
Y=Total no. of successful students	60.00	55.00	51.00
Z=Total no. of students appeared in the examination	60.00	55.00	53.00
API [X*(Y/Z)]:	7.01	6.99	6.61

Average API [(AP1 + AP2 + AP3)/3] : 6.87

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)
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FS*=Total no. of final year students	66.00	66.00	66.00
X=No. of students placed	36.00	38.00	40.00
Y=No. of students admitted to higher studies	2.00	2.00	6.00
Z= No. of students taking up entrepreneurship	0.00	1.00	2.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	57.58	62.12	72.73

Average Placement Index = (P_1 + P_2 + P_3)/3: 64.14 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)	Current Association (Y/N)
1	Dr.Ganapathi V Sagar	XXXXXXXX89G	Ph.D	Bangalore University	Bio-medial signal processing	21/05/1999	27.1	Lecturer	Professor	31/07/2018	Regular	Yes
2	Dr. Shubha.P	XXXXXXXX48D	Ph.D	VTU	image Processing	26/10/2005	20.8	Lecturer	Associate Professor	11/01/2024	Regular	Yes
3	Mr. Sridhar kumar H R	XXXXXXXX86H	M.Tech	Bangalore University	Computer Science And Engineering	10/09/2009	16.9	Lecturer	Assistant Professor		Regular	Yes
4	Ms. Nirmala Bai L	XXXXXXXX58A	M.Tech	VTU	Power Electronics	26/08/2013	12.10	Assistant Professor	Assistant Professor		Regular	Yes

5	Mrs. Soumya B.S	XXXXXXXX94C	M.Tech	VTU	Digital Electronics and Communication	23/09/2013	12.9	Assistant Professor	Assistant Professor		Regular	Yes
6	Mrs. Monikashree.T.S	XXXXXXXX28N	M.Tech	VTU	VLSI Design and Embedded System	01/10/2014	11.8	Assistant Professor	Assistant Professor		Regular	Yes
7	Mrs. Hamsarekha S.D	XXXXXXXX32E	M.Tech	VTU	Power Electronics	12/01/2016	10.5	Assistant Professor	Assistant Professor		Regular	Yes
8	Mrs. Sheetal N	XXXXXXXX18A	M.Tech	VTU	Power Electronics	13/01/2016	10.5	Assistant Professor	Assistant Professor		Regular	Yes
9	Mrs. Nikhila S	XXXXXXXX47N	M.Tech	VTU	Digital Electronics and Communication	16/04/2025	1.2	Assistant Professor	Assistant Professor		Regular	Yes
10	Dr.M.Meenakshi	XXXXXXXX90N	Ph.D	IISc, Bangalore	Flight Control, Signal Processing, Real Time Systems	02/02/2007	17.10	Professor	Professor	02/02/2007	Regular	No
11	Dr. K Ramesha	XXXXXXXX03D	Ph.D	JNTU, Hyderabad	image Processing	31/01/2014	12.4	Professor	Professor		Regular	Yes
12	M Prasannakumar	XXXXXXXX02E	M.Tech	KREC, surathkal,Mangalore	system analysis & computer application	31/12/1999	26.6	Lecturer	Associate Professor	17/09/2012	Regular	Yes
13	Dr.Sridevi N	XXXXXXXX34F	Ph.D	VTU	Industrial Electronics	31/12/1999	26.6	Lecturer	Associate Professor	25/03/2013	Regular	Yes

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 Appointment (Regular, Contract, Ad hoc)
1	Dr.Shilpa K C	XXXXXXX41H	XXXXXXXXXX212	Ph.D	VTU	VLSI evolutionay computations	05/04/2007	19.2	Assistant Professor	Professor	09/01/2024	Regular
2	Dr. Hemalatha K N	XXXXXXX37K	XXXXXXXXXX352	Ph.D	VTU	Digital VLSI design	09/04/2007	19.2	Assistant Professor	Associate Professor	24/04/2025	Regular
3	Dr. Tanuja Patgar	XXXXXXX72D	XXXXXXXXXX871	Ph.D	VTU	Wireless sensor n/w &deep learning	12/08/2006	19.10	Assistant Professor	Assistant Professor		Regular
4	Sajidha Thabassum B	XXXXXXX38H	XXXXXXXXXX626	M.Tech	VTU	Digital electronics	24/11/2006	19.7	Assistant Professor	Assistant Professor		Regular
5	Dr.Meenakshi L Rathod	XXXXXXX22K	XXXXXXXXXX937	Ph.D	VTU	Communication	08/02/2003	23.4	Assistant Professor	Associate Professor	08/02/2017	Regular
6	Kesthara V	XXXXXXX18B	XXXXXXXXXX348	M.Tech	VTU	Digital communication and networking	07/08/2010	15.10	Assistant Professor	Assistant Professor		Regular
7	Dr Siddesha K	XXXXXXX33E	XXXXXXXXXX494	Ph.D	VTU	Processor Scheduling	13/11/2012	13.7	Assistant Professor	Assistant Professor		Regular
8	Dr.Swamy TN	XXXXXXX54C	XXXXXXXXXX743	Ph.D	VTU	VLSI	13/09/2013	12.9	Assistant Professor	Assistant Professor		Regular
9	Nagarathna H S	XXXXXXX74M	XXXXXXXXXX724	M.Tech	VTU	Digital Electronics and Communication	06/04/2015	11.2	Assistant Professor	Assistant Professor		Regular
10	Anand H D	XXXXXXX27A	XXXXXXXXXX433	M.Tech	VTU	VLSI Design and Embedded Systems	17/01/2017	9.5	Assistant Professor	Assistant Professor		Regular

11	Vidyashree C	XXXXXXX16H	XXXXXXXXXX953	M.Tech	VTU	Power electronics	20/01/2017	9.5	Assistant Professor	Assistant Professor		Regular
12	Spoorthi P A	XXXXXXX36C	XXXXXXXXXX833	M.Tech	VTU	Digital Communication	15/12/2018	7.6	Assistant Professor	Assistant Professor		Regular
13	Dr Rangaswamy Y	XXXXXXX92P	XXXXXXXXXX297	Ph.D	JNTU Ananathapura	Signal and image processing	17/12/2018	7.6	Assistant Professor	Assistant Professor		Regular
14	Vidyashree N	XXXXXXX72F	XXXXXXXXXX322	M.Tech	VTU	VLSI and Embedded System	23/10/2023	2.8	Assistant Professor	Assistant Professor		Regular
15	Harshini R	XXXXXXX12E	XXXXXXXXXX566	M.Tech	VTU	Digital Communication and Networking	30/01/2023	3.4	Assistant Professor	Assistant Professor		Regular
16	Dr. Hemantaraj M Kelagadi	XXXXXXX41L	XXXXXXXXXX264	Ph.D	VTU	Wireless Sensor networks	01/08/2024	1.10	Associate Professor	Associate Professor		Regular
17	Dr. Mahalinga V Mandi	XXXXXXX15K	XXXXXXXXXX477	Ph.D	Dr. MGR University and NITK	Cryptography and Network	12/10/1991	34.8	Assistant Professor	Professor	03/03/2014	Regular
18	Dr. Umadevi H	XXXXXXX33P	XXXXXXXXXX337	Ph.D	Bangalore University	wireless communication	06/02/2003	23.4	Assistant Professor	Professor	08/12/2014	Regular
19	Dr. Shivaputra	XXXXXXX50F	XXXXXXXXXX702	Ph.D	Jain University and NITK	Communication	08/02/2003	23.4	Assistant Professor	Professor	08/02/2020	Regular
20	Dr. Mala Swadi	XXXXXXX18Q	XXXXXXXXXX832	Ph.D	VTU	Signal Processing	05/06/2004	22	Assistant Professor	Assistant Professor		Regular
21	Dr.Pushpalatha G S	XXXXXXX55D	XXXXXXXXXX548	Ph.D	VTU	Cryptography	23/11/2006	19.7	Assistant Professor	Assistant Professor		Regular
22	Dr.Chetan S	XXXXXXX04B	XXXXXXXXXX393	Ph.D	Jain University	Image Processing	07/08/2010	15.10	Assistant Professor	Assistant Professor		Regular
23	Shwetha M	XXXXXXX74H	XXXXXXXXXX033	M.Tech	VTU	Digital Communication and engineering	14/01/2013	13.5	Assistant Professor	Assistant Professor		Regular

24	Dr. Divya A	XXXXXXX68P	XXXXXXXXXX780	Ph.D	Bangalore University	Image processing	14/01/2013	13.5	Assistant Professor	Assistant Professor		Regular
25	S.Nithyashree	XXXXXXX31J	XXXXXXXXXX700	M.Tech	VTU	DCN	12/10/2012	13.8	Assistant Professor	Assistant Professor		Regular
26	Triveni	XXXXXXX21E	XXXXXXXXXX314	M.Tech	V.T.U	Digital communication	28/03/2015	11.3	Assistant Professor	Assistant Professor		Regular
27	Dr Manjula N	XXXXXXX83J	XXXXXXXXXX256	Ph.D	VTU	VLSI	23/01/2017	9.5	Assistant Professor	Assistant Professor		Regular
28	Dr. Shwetha N	XXXXXXX71J	XXXXXXXXXX676	Ph.D	VTU	Signal Processing for communication	17/12/2018	7.6	Assistant Professor	Assistant Professor		Regular
29	Sangeetha N	XXXXXXX25N	XXXXXXXXXX571	M.Tech	VTU	VLSI	13/12/2018	7.6	Assistant Professor	Assistant Professor		Regular
30	Jayashree B M	XXXXXXX24A	XXXXXXXXXX181	M.Tech	VTU	Digital Electronics	12/04/2022	4.2	Assistant Professor	Assistant Professor		Regular
31	Seema B S	XXXXXXX84L	XXXXXXXXXX343	M.Tech	VTU	Vlsi design and embedded system	13/01/2016	10.5	Assistant Professor	Assistant Professor		Regular
32	Dr. Roopesh R	XXXXXXX60K	XXXXXXXXXX867	Ph.D	PES	Signal Processing & communication	01/07/2024	1.5	Assistant Professor	Assistant Professor		Regular
33	Dr.Ramesh S	XXXXXXX84E	NA	Ph.D	Dr. MGR University	Cryptography, Communication	11/08/1992	32.9	Assistant Professor	Professor	03/03/2014	Regular
34	Kavya S	XXXXXXX12N	NA	M.Tech	VTU	Control System, Digital Electronics, VLSI	18/01/2017	8.6	Assistant Professor	Assistant Professor		Regular
35	Dr. Mohankumar V	XXXXXXX15N	XXXXXXXXXX740	Ph.D	VTU	Electronics and Communication Engineering	10/03/2004	22.3	Assistant Professor	Assistant Professor		Regular
36	Dr. Ravish D K	XXXXXXX47Q	XXXXXXXXXX856	Ph.D	Anna University	Information and Communication	19/09/2002	23.9	Assistant Professor	Professor	05/08/2023	Regular

37	Dr.Sudha Thimmaiah	XXXXXXX23F	XXXXXXXXXX149	Ph.D	Priest University	Wireless Networks	12/08/1992	33.10	Assistant Professor	Professor	27/11/2020	Regular
38	Dr.Vidya Honguntikar	XXXXXXX99D	XXXXXXXXXX458	Ph.D	Bangalore University	Wireless Networks	07/09/1992	33.9	Assistant Professor	Professor	10/01/2020	Regular
39	Dr.Chandrakala V	XXXXXXX27C	XXXXXXXXXX800	Ph.D	Bangalore University	Image Processing	17/03/2004	22.3	Assistant Professor	Associate Professor	13/08/2014	Regular
40	Dr.Usha Rani M A	XXXXXXX98B	XXXXXXXXXX511	Ph.D	VTU	Image Processing	24/10/2005	20.8	Assistant Professor	Assistant Professor		Regular
41	Dr.Praveen K B	XXXXXXX47H	XXXXXXXXXX313	Ph.D	Priest University	Image Processing	01/02/2010	16.4	Assistant Professor	Assistant Professor		Regular
42	Kavitha Narayan B M	XXXXXXX60M	XXXXXXXXXX130	M.Tech	VTU	Power Electronics	03/02/2011	15.4	Assistant Professor	Assistant Professor		Regular
43	Kamala C	XXXXXXX57N	XXXXXXXXXX629	M.Tech	VTU	Image Processing	07/09/2006	19.9	Assistant Professor	Assistant Professor		Regular
44	Dr.Aravinda H L	XXXXXXX84K	XXXXXXXXXX185	Ph.D	Jain University	Image Processing	10/03/2004	22.3	Assistant Professor	Associate Professor	23/01/2023	Regular
45	Venkatesh S N	XXXXXXX17H	XXXXXXXXXX104	M.Tech	VTU	VLSI and Embedded System	22/01/2024	2.2	Assistant Professor	Assistant Professor		Regular
46	Dr. C .R. Prashanth	XXXXXXX96R	NA	Ph.D	Bangalore University	Image Processing	29/12/2014	8.7	Professor	Professor		Regular
47	Dr.Mahesan K V	XXXXXXX49R	NA	M.Tech	VTU	Image Processing	14/09/1992	31.7	Assistant Professor	Associate Professor	02/01/2006	Regular
48	Dr. B. Sivakumar	XXXXXXX60K	XXXXXXXXXX902	Ph.D	Anna University	Information and Communication	22/02/1990	36.4	Assistant Professor	Professor	13/11/2008	Regular
49	Dr H V Govindaraju	XXXXXXX35N	XXXXXXXXXX127	Ph.D	VTU	PE & D	28/02/1991	35.4	Assistant Professor	Professor	18/03/2019	Regular
50	Dr G V Jayaramaiah	XXXXXXX40C	XXXXXXXXXX336	Ph.D	IIT(Mumbai)	Power Electronics	11/03/1992	34.3	Assistant Professor	Professor	15/10/2009	Regular
51	Dr S Vasudevamurthy	XXXXXXX56A	XXXXXXXXXX932	Ph.D	VTU	High Voltage and Insulation	27/09/1991	34.9	Assistant Professor	Professor	27/10/2018	Regular

52	Dr Shankaralingappa C B	XXXXXXX62N	XXXXXXXXXX036	Ph.D	VTU	Power Systems	05/01/2015	11.5	Professor	Professor		Regular
53	Dr Mukundaswamy M S	XXXXXXX54F	XXXXXXXXXX077	Ph.D	Priest University	VLSI	21/11/2006	19.7	Assistant Professor	Assistant Professor		Regular
54	Dr. HariniVaikund	XXXXXXX68D	XXXXXXXXXX112	Ph.D	VTU	Microelectronics	13/09/2012	13.9	Assistant Professor	Assistant Professor		Regular
55	Dhanyavathi A	XXXXXXX66B	XXXXXXXXXX630	M.Tech	VTU	Computer Applications in Industrial Drives	24/08/2013	12.10	Assistant Professor	Assistant Professor		Regular
56	Rajesh L V	XXXXXXX18D	XXXXXXXXXX595	M.Tech	Reva University	Power Systems	21/03/2017	9.3	Assistant Professor	Assistant Professor		Regular
57	Lokesh T R	XXXXXXX55D	XXXXXXXXXX922	M.Tech	VTU	Computer Applications in Industrial Drives	04/11/2021	4.7	Assistant Professor	Assistant Professor		Regular
58	Madhusudhan M	XXXXXXX26M	XXXXXXXXXX473	M.Tech	VTU	Automotive electronics	13/01/2016	10.5	Assistant Professor	Assistant Professor		Regular
59	Dr Umadevi D	XXXXXXX61M	XXXXXXXXXX321	Ph.D	Bangalore University	Power Electronics	07/12/2023	2.6	Assistant Professor	Assistant Professor		Regular
60	Soumya S	XXXXXXX26P	XXXXXXXXXX312	M.Tech	VTU	Power Systems	17/10/2025	0.8	Assistant Professor	Assistant Professor		Regular
61	Dr .Girija S	XXXXXXX56E	XXXXXXXXXX621	Ph.D	VTU	VLSI Design	10/03/2004	22.3	Assistant Professor	Assistant Professor		Regular
62	Dr. Kavitha Devi CS	XXXXXXX97J	XXXXXXXXXX096	Ph.D	VTU	Microwave Devices	10/03/2004	22.3	Assistant Professor	Assistant Professor		Regular
63	Dr Siraj Ahmed	XXXXXXX70C	NA	Ph.D	JNTU	Electrical Engineering	03/01/2024	1.6	Professor	Professor		Contract Fulltime
64	Dr Bharath V S	XXXXXXX10A	XXXXXXXXXX700	Ph.D	Bharath Institute of higher education	Power electronics and drives	01/01/2024	2.5	Associate Professor	Associate Professor		Regular

65	T B Dayanada	XXXXXXX28G	XXXXXXXXXX576	M.E.	B U	Power Systems	05/09/1990	35.10	Assistant Professor	Associate Professor	02/01/2006	Regular
66	Dr Eranna	XXXXXXX17F	XXXXXXXXXX819	Ph.D	VTU	High Voltage	08/08/1988	37.10	Assistant Professor	Professor	18/03/2019	Regular
67	DrArpitha Raju	XXXXXXX35R	XXXXXXXXXX082	Ph.D	VTU	Power Electronics	12/08/2010	15.10	Assistant Professor	Associate Professor	02/06/2025	Regular
68	Dr.Shruthi P C	XXXXXXX21J	XXXXXXXXXX228	Ph.D	VTU	Optical Networks	08/03/2004	22.3	Assistant Professor	Associate Professor	11/01/2023	Regular
69	Dr. J S Baligar	XXXXXXX25L	XXXXXXXXXX929	Ph.D	Bangalore university	RF Circuits	13/08/2004	21.10	Assistant Professor	Professor	02/04/2012	Regular
70	B S Sudha	XXXXXXX07L	XXXXXXXXXX971	M.Tech	VTU	Industrial Electronics	12/10/1992	33.8	Assistant Professor	Associate Professor	02/01/2006	Regular
71	Dr. Nayana R Shenoy	XXXXXXX55A	XXXXXXXXXX493	Ph.D	VTU	Image Processing	11/10/2001	24.8	Assistant Professor	Associate Professor	09/08/2023	Regular
72	Dr.Yamuna Devi C R	XXXXXXX65B	XXXXXXXXXX224	Ph.D	Bangalore university	Wireless Networks	17/02/1992	34.4	Assistant Professor	Associate Professor	02/01/2006	Regular

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 Department2

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	66	66	66
UG1.C	66	66	66
UG1.D	66	66	66
UG1: Electronics & Instrumentation Engineering	198	198	198
UG2.B	0	0	0
UG2.C	0	0	0
UG2.D	0	0	0
UG2: Electronics and Communication Engineering (VLSI Design & Technology)	0	0	0
UG3.B	198	198	198
UG3.C	198	198	198
UG3.D	198	198	198
UG3: Electronics & Communication Engineering	594	594	594
UG4.B	66	66	66
UG4.C	66	66	66
UG4.D	66	66	66
UG4: Electrical and Electronics Engineering	198	198	198
UG5.B	66	66	66
UG5.C	66	66	66
UG5.D	66	66	66
UG5: Electronics and Telecommunication Engineering	198	198	198
DS=Total no. of students in all UG and PG programs in the Department	198	198	198
AS=Total no. of students of all UG and PG programs in allied departments	1062	1062	1062
S=Total no. of students in the Department (DS) and allied departments (AS)	S1= 1260	S2= 1260	S3= 1260

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
DF=Total no. of faculty members in the Department	12	11	12
AF= Total no. of faculty members in the allied Departments	64	69	63
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	F1= 76	F2= 80	F3= 75
FF=The faculty members in F who have a 100% teaching load in the first-year courses	6	6	6
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 18.00	SFR2= 17.03	SFR3= 18.26
Average SFR for 3 years	SFR= 17.76		

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 = $2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	45	31	63.00	22.78
2024-25(CAYm1)	43	37	63.00	22.94
2023-24(CAYm2)	34	41	63.00	20.00

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = $1/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents:}$.
- RF2= No. of Associate Professors required = $2/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:}$.
- RF3= No. of Assistant Professors required = $6/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:}$.
- 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	7.00	16.00	14.00	12.00	42.00	48.00
2024-25	7.00	17.00	14.00	10.00	42.00	52.00
2023-24	7.00	17.00	14.00	8.00	42.00	50.00
Average	RF1=7.00	AF1=16.67	RF2=14.00	AF2=10.00	RF2=42.00	AF2=50.00

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)

(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	16	17	3
2	No. of peer reviewed conference papers published	2	0	0
3	No. of books/book chapters published	0	0	0

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)

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

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years: 0

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
Mr. Prasannakumar M	MIS for Dr. AIT	2 years	6.00	6.00	used by stakeholders of Dr. AIT
			Amount received (Rs.): 6.00		

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years : 6.00

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	C Programming Lab	60	Computers	6	Vasanth Kuma	Instructor	B.E, M.Tech
2	Analog Electronic Circuits Lab	60	DC variable regulated Power supply Oscilloscope, Function Generator,	6	Harish G	Mechanic	SSLC
3	Digital System Design using Verilog	60	Digital IC trainer kits, IC tester ,Computers & Xilinx Software	6	Pallavi N	Mechanic	ITI
4	Transducers & Signal conditioning circuits Lab	60	DC variable regulated Power supply Oscilloscope, Function Generator,	6	Shanthamma H	Asst. Instructor	8 Std.
5	Micro controller & Applications	60	MSP 430 kits with Interfacing modules CSS Version 9	6	Vasanth Kuma	Instructor	B.E, M.Tech
6	Digital Signal Processing Lab	60	Computers, DSP TMS320C6x starter kits with	6	Vasanth Kuma	Instructor	B.E, M.Tech

7	Control System & Simulation Lab	60	Digital Storage Oscilloscope, DC variable Regulated Power supply , Function generator Trainer Kit	6	Harish G	Mechanic	SSLC
8	Embedded Systems using ARM Controller	60	Computers, LPC2148_v8 with Interfacing modules. Keil ARM4 software	6	Vasantha Kumar	Instructor	B.E, M.Tech
9	Process Control systems Lab	60	Flow and Level control Trainer with PLC software. Process simulator trainer for DCS, SCADA, HMI software	6	Pallavi N	Mechanic	ITI
10	IOT and Wireless Sensor Networks Lab	60	RaspberryPi with peripherals, Arduino UNO, IRsensors, Ultrasonic sensor, WIFI module, DC Motor	6	Vasantha Kumar	Instructor	B.E, M.Tech
11	Machine learning Lab	60	Anaconda distributor: Jupiter notebook IDE, Scikit learn Library	6	Vasantha Kumar	Instructor	B.E, M.Tech
12	Process Automation Lab	60	Flow and Level control Trainer with PLC software. Process simulator trainer for DCS	6	Shanthamma H	Asst. Instructor	8 Std.

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	- C Programming Lab - Micro controller & Applications - Digital Signal Processing Lab - Embedded Systems using	1. Fire Extinguisher is Installed 2. Circuit Breakers are provided in every circuit of the Laboratory 3.Surveillance camera is Installed 4.First Aid kit is made available 5.Caution and safety measure boards are displayed
2	- Analog Electronic Circuits Lab - Control System & Simulation Lab - Transducers & Signal conditioning circuits Lab	1.Fire Extinguisher is Installed 2. Circuit Breakers are provided in every circuit of the Laboratory 3.Surveillance camera is Installed 4.First Aid kit is made available 5.Caution and safety measure boards are displayed
3	- Process Automation Lab - Process Control systems Lab - Digital System Design using Verilog	1.Fire Extinguisher is Installed 2. Circuit Breakers are provided in every circuit of the Laboratory 3.Surveillance camera is Installed 4.First Aid kit is made available 5.Caution and safety measure boards are displayed

4	Research & Development Lab	1.Fire Extinguisher is Installed 2. Circuit Breakers are provided in every circuit of the Laboratory 3.Surveillance camera is Installed 4.First Aid kit is made available 5.Caution and safety measure boards are displayed
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D3. Project Laboratory/Research Laboratory

The department has established a well-equipped **Research and Development (R&D) Laboratory** to support student projects, research activities, innovation, entrepreneurship, and startup initiatives. The laboratory serves as a dedicated facility for the department students to carry out mini projects, major projects, prototype development, and hands-on experimentation. It also provides an enabling environment for faculty members pursuing Ph.D. and for research scholars working under faculty supervision to conduct their research activities. The R&D laboratory encourages interdisciplinary collaboration, promotes a culture of innovation, and facilitates the development of research-based solutions aligned with emerging technologies. Furthermore, the laboratory acts as a platform for nurturing ideas that can evolve into Centre of Excellence activities, funded research projects, publications, patents, product development, and startup ventures, thereby strengthening the department's research ecosystem and fostering academic excellence.

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)	1050	52	53	16	88
2024-25(CAYm1)	1170	58	54	17	80
2025-26(CAY)	1290	64	57	21	78

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	3803000.00	2785207.00	4522998.00	1702522.00	3684000.00	207146.00	4831000.00	869986.00
Library	3994501.00	1142367.00	4277968.00	1372989.00	2431735.00	666780.00	3319000.00	9973.00
Laboratory equipment	51239700.00	37316809.00	40180790.00	37849801.00	45777500.00	6257660.00	62942000.00	2193098.00
Teaching and non-teaching staff salary	595939523.30	541763203.00	487517649.30	443197863.00	539439558.90	490399599.00	550048836.70	500044397.00
Outreach Programs	7487438.64	6806762.40	18458271.15	16780246.50	18588676.43	16898796.75	97066702.26	88242456.60
R&D	7350000.00	5766030.00	6900000.00	3122847.00	5021000.00	9426842.00	7872000.00	5283536.00
Training, Placement and Industry linkage	16650175.40	14758487.00	6335196.70	1315083.00	26304214.50	15184004.00	19307555.30	17552323.00
SDGs	7487438.64	6806762.40	18458271.15	16780246.50	2443688.62	16898796.75	97066702.26	88242456.60
Entrepreneurship	4991625.76	4537841.60	12305514.10	11186831.00	12392450.95	11265864.50	64722134.84	58838304.40
Others, specify	29954099.26	27227049.60	73833084.60	67120986.00	74354705.70	67595187.00	388266809.04	352969826.40
Total	728897502.00	648910519.00	672789743.00	600429415.00	730437530.10	634800676.00	1295442740.40	1114246357.00

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
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Laboratory equipment	2172000.00	1258000.00	945000.00	629442.00	1169000.00	325146.00	1679000.00	706560.00
Software	316898.00	316898.00	869643.00	869643.00	557777.00	557777.00	473425.00	473425.00
SDGs	250000.00	246648.00	30000.00	25600.00	250000.00	131722.00	473425.00	473425.00
Support for faculty development	250000.00	211265.00	259127.00	259127.00	250000.00	87814.00	315670.00	315670.00
R & D	1000000.00	465000.00	650000.00	161785.00	490022	490022.00	283464.00	283464.00
Industrial Training, Industry expert,	42550.00	31320.00	10000.00	9800.00	24000.00	7055.00	23500.00	23500.00
Miscellaneous Expenses*	170000.00	126750.00	66000.00	17392.00	421264.00	316209.00	1259000.00	576344.00
Total	4201448.00	2655881.00	2829770.00	1972789.00	3162063.00	1915745.00	4507484.00	2852388.00