NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electronics & Communication Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 10921	**Date of Submission**: 06-08-2025

PART A- Profile of the Institute

A1.Name of the Institute: BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT	
Year of Establishment : 1997	Location of the Institute: Ballari
A2. Institute Address:JANANA GANGOTRI CAMPUS, #873/2, BALLARI HOSAPETE, ROAD, NEAR ALLIPUR, BALLARI - 583104 [KARNATAKA]	
City:Bellary	State:Karnataka
Pin Code:583104	Website:www.bitm.edu.in
Email:BITMBLY@GMAIL.COM	Phone No(with STD Code):08392-237150
A3. Name and Address of the Affiliating University (if any):	
Name of the University : VISVESVARYA TECHNOLOGICAL UNIVERSIT	City: Belgaum
State : Karnataka	Pin Code: 590018
A4. Type of the Institution: Autonomous CAY(2021-22)	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **8**
- No. of PG programs: **2**

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	2023	--	Computer Application
2	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2020	--	Computer Science and Engineering
3	Engineering & Technology	UG	Civil Engineering	2014	--	Civil Engineering
4	Engineering & Technology	UG	Computer Science and Engineering	1997	--	Computer Science and Engineering
5	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence)	2022	--	Computer Science and Engineering
6	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2022	--	Computer Science and Engineering
7	Engineering & Technology	UG	Electrical & Electronics Engineering	2007	--	Electrical and Electronics Engineering
8	Engineering & Technology	UG	Electronics & Communication Engineering	1997	--	Electronics and Communication Engineering

| 9 | Engineering & Technology | UG | Mechanical Engineering | 1997 | -- | Mechanical Engineering |
| 10 | Management | PG | Master of Business Administration | 2007 | -- | 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
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG
Mechanical Engineering	No	Mechanical Engineering	UG

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

No Record

PART-B: Program information

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

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

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Electronics & Communication Engineering	UG	1997 / --	45	Yes	2013	180	2013	"F.No. South-West/ 1-1341589556/ 2013/EOA/ Corrigendum-1, Date:26.06.2013"	Granted accreditation for 3 years for the period (specify period)	2022	2025	3	4

Sanctioned Intake for Last Five Years for the Electronics & Communication Engineering	
Academic Year	**Sanctioned Intake**
2024-25	180
2023-24	180
2022-23	180
2021-22	180
2020-21	180
2019-20	180

List of the Allied Departments/Cluster and Programs:

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

A. Name of the HoD :	Dr. Sadyojatha K M
B. Nature of appointment:	Regular
C. Qualification:	M.Tech and 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)	2024-25 (CAY)	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)	2020-21 (CAYm4)	2019-20 (CAYm5)	2018-19 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	180	180	180	180	180	180	180
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	175	179	180	178	173	180	149
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	18	16	19	16	14	19
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	9	9	9	9	9	9	9
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	184	206	205	206	198	203	177

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]
2024-25 (CAY)	180	175	9	102.22
2023-24 (CAYm1)	180	179	9	104.44
2022-23 (CAYm2)	180	180	9	105.00

Average [(ER1 + ER2 + ER3) / 3] = 103.89≡ 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	(2020-21) LYG	(2019-20) LYGm1	(2018-19) 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).	198.00	203.00	199.00
B=No. of students who graduated from the program in the stipulated course duration	150.00	163.00	154.00
Success Rate (SR)= (B/A) * 100	75.76	80.30	77.39

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 77.82

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

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

Academic Performance	CAYm1(2023-24)	CAYm2(2022-23)	CAYm3 (2021-22)
X=(Mean of 1st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10)	7.52	7.33	6.72

Y=Total no. of successful students	181.00	185.00	187.00
Z=Total no. of students appeared in the examination	179.00	180.00	178.00
API [X*(Y/Z)]	7.60	7.53	7.06

Average API[(AP1+AP2+AP3)/3] : 7.40

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

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

Academic Performance	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
X=(Mean of 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)	7.93	5.60	6.35
Y=Total no. of successful students	200.00	205.00	194.00
Z=Total no. of students appeared in the examination	201.00	206.00	194.00
API [X * (Y/Z)]	7.89	5.57	6.35

Average API [(AP1 + AP2 + AP3)/3] : 6.60

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

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

Academic Performance	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
X=(Mean of 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)	6.26	6.67	7.35
Y=Total no. of successful students	204.00	194.00	191.00
Z=Total no. of students appeared in the examination	205.00	194.00	196.00
API [X*(Y/Z)]:	6.23	6.67	7.16

Average API [(AP1 + AP2 + AP3)/3] : 6.69

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2020-21)	LYGm1(2019-20)	LYGm2(2018-19)
FS*=Total no. of final year students	196.00	194.00	199.00
X=No. of students placed	88.00	130.00	124.00
Y=No. of students admitted to higher studies	0.00	0.00	1.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	44.90	67.01	62.81

Average Placement Index = (P_1 + P_2 + P_3)/3: 58.24 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. Venkanagouda C Patil	XXXXXXX06B	M.Tech and Ph.D.	Shivaji Univ. Kolhapur Maharashtra	Wireless MANETs	29/08/2005	18.11	Professor	Professor	29/08/2005	Regular	No	07/08/2024	No
2	Dr. Sadyojatha K M	XXXXXXX63K	M.Tech and Ph.D.	VTU, Belagavi	Image Processing	23/09/2000	24.10	Assistant Professor	Professor	01/10/2005	Regular	Yes		Yes
3	Dr. Premachand D.R	XXXXXXX91R	M.Tech and Ph.D.	VTU, Belagavi	Image Processing & VLSI	30/07/2008	17	Assistant Professor	Professor	01/08/2024	Regular	Yes		No
4	Dr. Shiva Kumar K.S	XXXXXXX12N	M.Tech and Ph.D.	VTU, Belagavi	Wireless MANETs	25/05/2006	19.2	Lecturer	Professor	01/08/2024	Regular	Yes		No
5	Dr Girija Vani G	XXXXXXX73F	M.Tech and Ph.D.	VTU, Belagavi	Wireless Sensor Network	01/06/2023	2.2	Associate Professor	Associate Professor	01/06/2023	Regular	Yes		No
6	Dr. Naseeruddin	XXXXXXX92D	M.Tech and Ph.D.	VTU, Belagavi	Wireless MANETs	23/10/2009	15.9	Lecturer	Associate Professor	01/08/2019	Regular	Yes		No
7	Dr. Fareduddin Ahmed J S	XXXXXXX72A	M.Tech and Ph.D.	VTU, Belagavi	Cognitive Radio Networks	26/07/2012	13	Assistant Professor	Associate Professor	01/01/2021	Regular	Yes		No
8	Dr. William Thomas H M	XXXXXXX68P	M.Tech and Ph.D.	VTU, Belagavi	Image Processing	01/08/2013	12	Lecturer	Associate Professor	01/10/2021	Regular	Yes		No
9	Dr. Abdul Lateef Haroon P S	XXXXXXX84J	M.Tech and Ph.D.	VTU, Belagavi	Machine Learning& Computer Vision	30/01/2015	10.6	Assistant Professor	Associate Professor	01/08/2020	Regular	Yes		No
10	Dr. Prabhakar. K	XXXXXXX02F	M.Tech and Ph.D.	VTU, Belagavi	Image Processing	21/08/2008	16.11	Lecturer	Associate Professor	01/08/2024	Regular	Yes		No
11	Dr. Hemantha Kumar R Kappali	XXXXXXX62D	M.Tech and Ph.D.	VTU, Belagavi	Image Processing & Machine Learning	26/07/2012	13	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Dr. Vinay Kumar Javalkar	XXXXXXX19R	M.Tech and Ph.D.	VTU, Belagavi	Bio Electronics	02/08/2017	8	Assistant Professor	Assistant Professor		Regular	Yes		No

13	Mrs. Nilam Chheda	XXXXXXX19R	M.Tech	VTU, Belagavi	Computer Network Engineering	01/09/2005	19.11	Lecturer	Assistant Professor		Regular	Yes		No
14	Ms. Sowbhagya	XXXXXXX46G	M.Tech	JNTU Anantapur	Digital Electronics	26/12/2006	18.7	Lecturer	Assistant Professor		Regular	Yes		No
15	Mr. Vishnukanth .K	XXXXXXX72D	M.Tech	VTU, Belagavi	Digital Electronics	06/09/2013	11.10	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Mr. Manjunath. G.	XXXXXXX99G	M.Tech	VTU, Belagavi	Digital Communication Engineering	06/08/2012	12.11	Lecturer	Assistant Professor		Regular	Yes		No
17	Mr. Srikantha K.M	XXXXXXX96B	M.Tech	VTU, Belagavi	VLSI Design & Embedded Systems	01/11/2011	13.9	Lecturer	Assistant Professor		Regular	Yes		No
18	Mr. Sagara T.V	XXXXXXX75A	M.Tech	VTU, Belagavi	Digital Electronics	01/08/2013	12	Lecturer	Assistant Professor		Regular	Yes		No
19	Mrs. Shilpa K.R	XXXXXXX24K	M.Tech	VTU, Belagavi	Electronics	01/08/2013	12	Lecturer	Assistant Professor		Regular	Yes		No
20	Mrs. Sumalatha Venkob Rao	XXXXXXX04F	M.Tech	SSU Tumkur	VLSI & Embedded Systems	01/08/2014	11	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Mr. Aswathanarayana	XXXXXXX57F	M.Tech	JNTU Anantapur	VLSI System Design	04/08/2017	7.11	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Mrs. Swetha N	XXXXXXX07N	M.Tech	VTU, Belagavi	Signal Processing	18/07/2016	9	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Mr. Ulaganathan. J	XXXXXXX42M	M.Tech	JNTU Anantapur	VLSI System Design	30/01/2015	10.6	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Mrs. Simantini Roy Chowdhury	XXXXXXX24D	M.Tech	WBUT	Microelectronics & VLSI Design	01/08/2014	11	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Mr. Ambrayya	XXXXXXX02Q	M.Tech	VTU, Belagavi	Digital Communication & Networking	02/08/2017	8	Assistant Professor	Assistant Professor		Regular	Yes		No
26	Mrs. Nayana .M	XXXXXXX08C	M.Tech	VTU, Belagavi	VLSI Design & Embedded Systems	14/08/2017	7.11	Assistant Professor	Assistant Professor		Regular	Yes		No
27	Mr. Udayraj Kumar M	XXXXXXX53B	M.Tech	JNTU Anantapur	Communication & Signal Processing	10/02/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
28	Mrs. Vijayarani K	XXXXXXX11B	M.Tech	VTU, Belagavi	Digital Electronics	01/08/2022	3	Assistant Professor	Assistant Professor		Regular	Yes		No
29	Ms. Harshitha K R	XXXXXXX80L	M.Tech	VTU, Belagavi	Digital Communication & Networking	01/12/2022	2.8	Assistant Professor	Assistant Professor		Regular	Yes		No

30	Mrs. Chandrakala B A	XXXXXXX19L	M.Tech	VTU, Belagavi	VLSI Design & Embedded Systems	14/12/2022	2.7	Assistant Professor	Assistant Professor		Regular	Yes		No
31	Mrs. Ghousia Sanober Sabreen	XXXXXXX20J	M.Tech	VTU, Belagavi	VLSI Design & Embedded Systems	01/08/2022	3	Assistant Professor	Assistant Professor		Regular	Yes		No
32	Mrs. Niharika Behera	XXXXXXX41F	M.Tech	VSSUT, Burla Odisha	VLSI Signal Processing	18/12/2023	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
33	Dr. U Eranna	XXXXXXX51G	M.Tech and Ph.D.	SKU Anantapur, AP	Communication	01/11/1997	25.11	Assistant Professor	Professor	01/11/1999	Regular	No	30/09/2023	No
34	Dr. Mallikarjuna. A	XXXXXXX31B	M.Tech and Ph.D.	VTU, Belagavi	Wireless MANETs	19/02/2007	16.6	Lecturer	Associate Professor	06/08/2022	Regular	No	01/09/2023	No
35	Dr. Renuka Sagar. R	XXXXXXX49F	M.Tech and Ph.D.	VTU, Belagavi	IOT & Machine Learning	15/02/2010	13.6	Lecturer	Associate Professor	07/07/2022	Regular	No	01/09/2023	No
36	Mr. Venkatayya G	XXXXXXX81B	M.Tech	VTU, Belagavi	VLSI Design & Embedded Systems	01/02/2020	4	Assistant Professor	Assistant Professor		Regular	No	29/02/2024	No
37	Mrs. Priyanthica Paul	XXXXXXX64K	M.Tech	VTU, Belagavi	Digital Electronics	01/02/2020	2.9	Assistant Professor	Assistant Professor		Regular	No	18/11/2022	No
38	Ms. Koushalya.S	XXXXXXX14L	M.Tech	VTU, Belagavi	Digital Electronics	26/07/2012	9.11	Lecturer	Assistant Professor		Regular	No	30/06/2022	No
39	Ms. Koushalya S	XXXXXXX14L	M.Tech	VTU, Belagavi	Digital Electronics	04/03/2024	0.5	Assistant Professor	Assistant Professor		Regular	No	31/08/2024	No
40	Mrs. Prathiba Shanbog P S	XXXXXXX45B	M.Tech	VTU, Belagavi	Digital Electronics	26/07/2012	10	Lecturer	Assistant Professor		Regular	No	26/07/2022	No
41	Mr. Pramod Mutalik	XXXXXXX55M	M.Tech	VTU, Belagavi	VLSI Design & Embedded Systems	01/08/2013	8.9	Assistant Professor	Assistant Professor		Regular	No	30/04/2022	No
42	Mr. Ranjit Pyati	XXXXXXX52F	M.Tech	VTU, Belagavi	Digital Electronics	01/08/2014	7.11	Assistant Professor	Assistant Professor		Regular	No	08/07/2022	No
43	Mrs. Geetha H Y	XXXXXXX96K	M.Tech	VTU, Belagavi	Digital Comm. & Networking	18/07/2016	6.4	Assistant Professor	Assistant Professor		Regular	No	16/11/2022	No
44	Ms. Sirisha Nandavaram	XXXXXXX77A	M.Tech	VTU, Belagavi	Digital Communication & Networking	03/08/2017	4.10	Assistant Professor	Assistant Professor		Regular	No	30/06/2022	No

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

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):

UG1=1st UG program

UGn=nth UG program

B= No. of Students in UG 2nd year (ST)

C= No. of Students in UG 3rd year (ST)

D= No. of Students in UG 4th year (ST)

No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

Student Faculty Ratio **(SFR)** = S/F

S= No. of students of all programs in the Department including all students of allied departments/clusters.

No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)

Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.

F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

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

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

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1.B	198	196	198
UG1.C	196	198	196
UG1.D	198	196	194
UG1: Electronics & Communication Engineering	**592**	**590**	**588**
DS=Total no. of students in all UG and PG programs in the Department	592	590	588
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1**= 592	**S2**= 590	**S3**= 588
DF=Total no. of faculty members in the Department	31	31	32
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1**= 31	**F2**= 31	**F3**= 32
FF=The faculty members in F who have a 100% teaching load in the first-year courses	2	2	2
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 20.41**	**SFR2= 20.34**	**SFR3= 19.60**
Average SFR for 3 years	**SFR= 20.12**		

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)]
2024-25(CAY)	9	22	29.00	15.34

2023-24(CAYm1)	8	23	29.00	14.83
2022-23(CAYm2)	9	23	29.00	15.69

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
2024-25	3.00	3.00	6.00	6.00	19.00	22.00
2023-24	3.00	2.00	6.00	6.00	19.00	23.00
2022-23	3.00	3.00	6.00	6.00	19.00	23.00
Average	RF1=3.00	AF1=2.67	RF2=6.00	AF2=6.00	RF2=19.00	AF2=22.67

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. Maski Shravan Kumar M	Freelancer	Freelancer	Verilog HDL	50.00
2	Mr. Maski Shravan Kumar M	Freelancer	Freelancer	VLSI Lab	50.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Maski Shravan Kumar M	Freelancer	Freelancer	Verilog HDL	50.00
2	Mr. Maski Shravan Kumar M	Freelancer	Freelancer	VLSI Lab	50.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Maski Shravan Kumar M	Freelancer	Freelancer	Verilog HDL	50.00
2	Mr. Maski Shravan Kumar M	Freelancer	Freelancer	VLSI Lab	50.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)
1	No. of peer reviewed journal papers published	22	4	4
2	No. of peer reviewed conference papers published	5	4	2
3	No. of books/book chapters published	1	0	0

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. Girija Vani G	-	Electronics and Communication Engineering	Car Parking System Using Arduino Uno	KSCST	2023-24	5000.00
Mr. Manjunath G	-	Electronics and Communication Engineering	Crop Suggestive System Through Soil Property Characterization Using IoT	KSCST	2023-24	5000.00
Mrs. Shilpa K R	-	Electronics and Communication Engineering	Smart Infant Incubator Using IoT	KSCST	2023-24	5000.00
Mr. Uday Raj Kumar	-	Electronics and Communication Engineering	Design and Development of a Self-Balancing Two-Wheeler Robot	KSCST	2023-24	5000.00
						Amount received (Rs.):20000.00

(CAYm2)

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 20000.00
Note*:
- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

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

(CAYm1)

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years:
Note*:
- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

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

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

(CAYm1)

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. Hemanth Kumar R Kappali	Parametric Evaluation of Segmentation Techniques in Paddy disease analysis	3 Months	0.15	0.15	Paper Published
Dr. Abdul Lateef Haroon P.S.	Paper Publication	3 Months	0.09	0.09	Paper Published
Dr. Fareduddin Ahmed J.S.	Artificial Intelligence of Things (AIOT): A Beginner's Perspective	3 Months	0.06	0.06	Published
Dr. Abdul Lateef Haroon P.S.	Paper Publication	3 Months	0.10	0.10	Published
Mr. Javalkar Vinay Kumar	Paper Publication	3 Months	0.05	0.05	Paper Published
Dr. Abdul Lateef Haroon	Patent Published	3 Months	0.27	0.27	Patent Published
Dr. Abdul Lateef Haroon P.S.	Patent publication	3 Months	0.13	0.13	Patent Published
Mr. Hemanth Kumar R. Kappali	Paper Publication	3 Months	0.05	0.05	Paper Published
Dr. Naseeruddin	Patent publication	3 Months	0.04	0.04	Patent Published
Mr. Javalkar Vinay Kumar	Paper Publication	3 Months	0.10	0.10	Paper Published
Dr. Abdul Lateef Haroon P.S.	Patent publication	3 Months	0.39	0.39	Patent Published
			Amount received (Rs.): 1.43		

(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. Abdul Lateef Haroon P.S.	Paper Publication	3 Months	0.10	0.10	Paper Published
Dr. Abdul Lateef Haroon P.S.	Q1 Paper Publication	3 Months	0.15	0.15	Paper Published
Dr. Abdul Lateef Haroon P.S.	Patent Publication	3 Months	0.08	0.08	Patent Published
Dr. Abdul Lateef Haroon P.S.	Machine Learning-Based Humanoid Device for Object Identification	3 Months	0.27	0.27	Patent Published
Mr. Hemanth Kumar R Kappali	Paper Publication	3 Months	0.15	0.15	Paper Published
			Amount received (Rs.): 0.75		

(CAYm3)

Total amount (Lacs) received for the past 3 years : 2.18

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	Communication Lab	25	Klystron Power Supply Microwave Signal Generator, VSWR Branch line DC Ring Resonator Power Divider Antenna Set7 BPSK Generation / Detection Module	100%	Mrs. Vijaya H	Instructor	DECE
2	VLSI Lab	25	Acer Veriton M200-H110 (Intel I5, 7th Gen, 7400 Processor @ 3.20 GHz/8 GB DDR4 RAM/512 GB SSD with 1 TB HDD/18.5" LED Monitor) Software :	100%	Mr. H Shivabasavaraj	Instructor	DECE
3	DSP Lab	25	Acer Veriton M200-H110 (Intel i5 Processor @ 3.20 GHz/4 GB RAM/500GB HDD/18.5" LED Dell Monitor) Dell Core i5 Systems (Core i5, 2nd Gen, 8GB	100%	Mrs. Anasuya K	Instructor	DECE
4	HDL Lab	25	Acer Veriton M200-H81 (Intel i5, 4th Gen, 4460 Processor @ 3.20 GHz/4 GB DDR3 RAM/500 GB HDD/18.5" LED Monitor) Software : XILINX ISE	100%	Mr. H Shivabasavaraj	Instructor	DECE
5	VGST Lab	25	1.ZENITH Systems (Intel H61 Original Mother-Board i5 Processor-3330 3 GHz, 3rd Gen, 4GB RAM, 500 GB HDD, 20 inch Wide TFT Monitor, DVD Writer, Intel HD	100%	Mr. Manjunatha S	Supervisor	DECE
6	AE Lab	25	CRO, Signal Generator, Power Supply Etc., Intel(R) Core (TM) i7-4790 CPU @ 3.60GHz, 3601 MHz, 4 Core(s), 8 Logical Processor(s), 8GB RAM, 500 GB	100%	Mr. Ankith Arkal	Supervisor	BE
7	LD Lab	25	Digital IC Trainer Kit, Intel(R) Core (TM) i7-4770 CPU @ 3.40GHz, 3401 MHz, 4 Core(s), 4 Logical Processor(s), 8GB RAM, 240GB SSD, 18.5" wide TFT	100%	Mr. Manjunatha S	Supervisor	DECE
8	Computing Lab-1	25	Desktop-Intel I7, 4Gen, 8 GB RAM,256 SSD	100%	Mr. Veerendra M R	Instructor	DECE

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Communication Lab	1. MCBs are available to control power fluctuations. 2. First aid Kit is available in all the laboratories. 3. Fire extinguisher facility is provide in all the laboratories 4. CCTV cameras are installed in all the laboratories. 5. Do's and Don'ts Chart is displayed in all the Laboratory Board. MCB, First Aid Kit, Fire Extinguisher facility, Rules of Do's & Don'ts in the laboratory Board
2	VLSI Lab	1. MCBs are available to control power fluctuations. 2. First aid Kit is available in all the laboratories. 3. Fire extinguisher facility is provide in all the laboratories 4. CCTV cameras are installed in all the laboratories. 5. Do's and Don'ts Chart is displayed in all the Laboratory Board. MCB, First Aid Kit, Fire Extinguisher facility, Rules of Do's & Don'ts in the laboratory Board
3	DSP Lab	1. MCBs are available to control power fluctuations. 2. First aid Kit is available in all the laboratories. 3. Fire extinguisher facility is provide in all the laboratories 4. CCTV cameras are installed in all the laboratories. 5. Do's and Don'ts Chart is displayed in all the Laboratory Board. MCB, First Aid Kit, Fire Extinguisher facility, Rules of Do's & Don'ts in the laboratory Board

4	HDL Lab	1. MCBs are available to control power fluctuations. 2. First aid Kit is available in all the laboratories. 3. Fire extinguisher facility is provide in all the laboratories 4. CCTV cameras are installed in all the laboratories. 5. Do's and Don'ts Chart is displayed in all the Laboratory Board. MCB, First Aid Kit, Fire Extinguisher facility, Rules of Do's & Don'ts in the laboratory Board
5	VGST Lab	1. MCBs are available to control power fluctuations. 2. First aid Kit is available in all the laboratories. 3. Fire extinguisher facility is provide in all the laboratories 4. CCTV cameras are installed in all the laboratories. 5. Do's and Don'ts Chart is displayed in all the Laboratory Board. MCB, First Aid Kit, Fire Extinguisher facility, Rules of Do's & Don'ts in the laboratory Board
6	AE Lab	1. MCBs are available to control power fluctuations. 2. First aid Kit is available in all the laboratories. 3. Fire extinguisher facility is provide in all the laboratories 4. CCTV cameras are installed in all the laboratories. 5. Do's and Don'ts Chart is displayed in all the Laboratory Board. MCB, First Aid Kit, Fire Extinguisher facility, Rules of Do's & Don'ts in the laboratory Board
7	LD Lab	1. MCBs are available to control power fluctuations. 2. First aid Kit is available in all the laboratories. 3. Fire extinguisher facility is provide in all the laboratories 4. CCTV cameras are installed in all the laboratories. 5. Do's and Don'ts Chart is displayed in all the Laboratory Board. MCB, First Aid Kit, Fire Extinguisher facility, Rules of Do's & Don'ts in the laboratory Board
8	Computing Lab-1	1. MCBs are available to control power fluctuations. 2. First aid Kit is available in all the laboratories. 3. Fire extinguisher facility is provide in all the laboratories 4. CCTV cameras are installed in all the laboratories. 5. Do's and Don'ts Chart is displayed in all the Laboratory Board. MCB, First Aid Kit, Fire Extinguisher facility, Rules of Do's & Don'ts in the laboratory Board
9	Computing Lab-2	1. MCBs are available to control power fluctuations. 2. First aid Kit is available in all the laboratories. 3. Fire extinguisher facility is provide in all the laboratories 4. CCTV cameras are installed in all the laboratories. 5. Do's and Don'ts Chart is displayed in all the Laboratory Board. MCB, First Aid Kit, Fire Extinguisher facility, Rules of Do's & Don'ts in the laboratory Board

D3. Project Laboratory/Research Laboratory

Table No. 7.5.1: List of project laboratory/research laboratory /Centre of Excellence.

SN	Name of the Laboratory	Facility Available
1	Computing Lab-2 Project Laboratory	**Desktop:** HP 600 g I - 30 Nos., (Core I - 5, 4th Gen, 16GB RAM, 256 GB SSD/HP 19" Inch LED Monitor V19 Monitor) **System Software's Available:** UBUNTU 16.04, WINDOWS – 7/10 **Application Softwares Available:** NS2, LabView, Xilinx 14.7, Vivado 14.7, Matlab 2024a(Campus wide suite), TannerTools13.11, CADENCE **Hardware Available**: Spartan III Development kit, Nexys 4 Artix-7 FPGA Board, RISC-V & VLSI Education Board, Arduino Uno Boards, Sensors, RaspBerry PI 3 B+ boards, Raspberry PI Camera 5mp
2	**Research Laboratory**	Fire Bird v2560, Spark V Robot, Fire Bird Vp89V51RD2 adapter card, FireBirdVLPC2148adapter card, Zigbeemodules10m range, Zigbee Modules Adapter, Metal-gear servo Motors, Servo Motor based Gripper kit for the Fire Bird V robot, Sharp GP2Y0A21YKO Finfrared range sensor. (10 cm to 80 cm)
3	**6G Centre of Excellence Lab on "Signal processing & Communication"**	PC'S: DELL OPTIPLEX 3060 Core I5 8 Gen/16 GB/ 500 GB/ 24 Inch Monitor, MATLAB OFDM SDR Testbed, RTL SDR Testbed

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
2022-23(CAYm2)	960	48	34	32	70
2023-24(CAYm1)	1080	54	37	34	67
2024-25(CAY)	1080	54	42	31	74

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

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

Items	Budgeted in 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Infrastructure Built-Up	107.00	348.32	1259.00	1235.95	626.00	373.62	125.00	121.88
Library	39.75	57.81	32.00	62.56	33.50	24.57	36.50	34.28
Laboratory equipment	319.75	116.37	184.41	193.95	107.67	150.62	90.85	87.85
Teaching and non-teaching staff salary	2209.14	2292.97	2131.00	2068.74	1683.00	1692.87	1485.50	1439.95
Outreach Programs	7.50	4.43	7.75	7.37	1.00	6.80	1.00	0.80
R&D	22.15	19.32	14.60	10.06	22.51	6.58	10.80	3.50
Training, Placement and Industry linkage	38.45	29.00	37.00	22.16	20.70	25.16	14.10	10.51
SDGs	5.00	10.35	25.00	50.31	30.00	20.98	2.50	6.63
Entrepreneurship	30.00	4.46	11.00	6.65	39.71	28.04	0.00	0.00
Others, specify	1133.30	1418.78	788.92	1102.87	613.60	883.22	744.39	707.42
Total	**3912.04**	**4301.81**	**4490.68**	**4760.62**	**3177.69**	**3212.46**	**2510.64**	**2412.82**

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

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

Items	Budgeted in 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Laboratory equipment	26.00	5.09	22.46	5.86	29.77	10.52	9.00	8.46
Software	8.00	8.50	8.00	8.00	0.00	0.00	0.00	0.00
SDGs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Support for faculty development	0.50	0.48	1.25	1.61	0.50	1.78	0.00	0.05
R & D	2.00	2.04	2.00	0.95	0.50	0.85	2.00	0.61
Industrial Training, Industry expert, Internship	2.50	0.74	2.50	1.49	0.20	0.78	0.50	0.00
Miscellaneous Expenses*	506.58	501.04	449.85	446.92	400.95	405.97	345.50	334.71
Total	**545.58**	**517.89**	**486.06**	**464.83**	**431.92**	**419.90**	**357.00**	**343.83**