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: 10565	**Date of Submission**: 28-05-2025

PART A- Profile of the Institute

A1.Name of the Institute: BMS Institute of Technology and Management	
Year of Establishment : 2002	Location of the Institute: Bangalore
A2. Institute Address:Dodaballapur Road, Avalahalli, Yelahanka,	
City:Bangalore Urban	State:Karnataka
Pin Code:560064	Website:https://bmsit.ac.in
Email:principal@bmsit.in	Phone No(with STD Code):080-68730402
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Visvesvaraya Technological University	City:
State :	Pin Code: 0
A4. Type of the Institution: Deemed University	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **9**
- No. of PG programs: **4**

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	2003	--	Computer Application
2	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2019	--	Artificial Intelligence and Machine Learning
3	Engineering & Technology	UG	Civil Engineering	2013	--	Civil Engineering
4	Engineering & Technology	UG	Computer Science and Business System	2023	--	Computer Science and Business System
5	Engineering & Technology	UG	Computer Science and Engineering	2002	--	Computer Science and Engineering
6	Engineering & Technology	PG	Computer Science and Engineering	2014	--	Computer Science and Engineering
7	Engineering & Technology	PG	Cyber Security	2022	--	Information Science and Engineering
8	Engineering & Technology	UG	Electrical & Electronics Engineering	2003	--	Electrical and Electronics Engineering

9	Engineering & Technology	UG	Electronics & Communication Engineering	2002	--	Electronics and Communication Engineering
10	Engineering & Technology	UG	Electronics and Telecommunication Engineering	2003	--	Electronics and Telecommunication Engineering
11	Engineering & Technology	UG	Information Science & Engineering	2010	--	Information Science and Engineering
12	Engineering & Technology	UG	Mechanical Engineering	2002	--	Mechanical Engineering
13	Management	PG	Master of Business Administration	2022	--	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
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Mechanical Engineering	No	Mechanical Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication 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	PROGR DURAT
1	Electronics & Communication Engineering	UG	2002 / --	60	Yes	2024	180	2024	F.No. South-West/1-43664536384/2024/EOA	Granted accreditation for 3 years for the period (specify period)	2022	2025	2	4

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	PROGR DURAT

Sanctioned Intake for Last Five Years for the Electronics & Communication Engineering	
Academic Year	**Sanctioned Intake**
2024-25	180
2023-24	120
2022-23	120
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. A Shobha Rani
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)	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	120	120	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	180	119	121	155	188	174	178
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	12	12	18	18	18	16
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	12	6	7	11	13	11	23
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	192	137	140	184	219	203	217

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	180	12	106.67
2023-24 (CAYm1)	120	119	6	104.17
2022-23 (CAYm2)	120	121	7	106.67

Average [(ER1 + ER2 + ER3) / 3] = 105.84≡ 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).	219.00	203.00	217.00
B=No. of students who graduated from the program in the stipulated course duration	199.00	195.00	191.00
Success Rate (SR)= (B/A) * 100	90.87	96.06	88.02

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 91.65

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)
Mean of CGPA or mean percentage of all successful students(X)	8.39	8.02	7.64
Y=Total no. of successful students	123.00	117.00	179.00
Z=Total no. of students appeared in the examination	126.00	126.00	181.00
API [X*(Y/Z)]	8.19	7.45	7.56

Average API[(AP1+AP2+AP3)/3] : 7.73

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)	7.46	7.20	6.64
Y=Total no. of successful students	131.00	178.00	207.00
Z=Total no. of students appeared in the examination	131.00	178.00	210.00
API [X * (Y/Z)]	7.46	7.20	6.55

Average API [(AP1 + AP2 + AP3)/3] : 7.07

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)	7.41	6.60	7.18
Y=Total no. of successful students	176.00	199.00	195.00

Z=Total no. of students appeared in the examination	178.00	207.00	197.00
API [X*(Y/Z)]:	7.33	6.34	7.11

Average API [(AP1 + AP2 + AP3)/3] : 6.93

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	199.00	198.00	196.00
X=No. of students placed	130.00	153.00	150.00
Y=No. of students admitted to higher studies	19.00	13.00	15.00
Z= No. of students taking up entrepreneurship	1.00	2.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	75.38	84.85	84.69

Average Placement Index = (P_1 + P_2 + P_3)/3: 81.64 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. A Shobha Rani	XXXXXXX28D	Ph.D	Kuvempu University	Wireless Networks	13/04/2016	9.1	Associate Professor	Professor	01/04/2025	Regular	Yes		Yes
2	Dr. Ambika R.	XXXXXXX29H	Ph.D	Vinayaka missions university	Communication and Network Security	01/09/2004	20.8	Lecturer	Professor	01/08/2018	Regular	Yes		No
3	Dr. M. C. Hanumantharaju	XXXXXXX92C	Ph.D	VTU Belagavi	VLSI design, Image Processing	21/07/2014	10.10	Associate Professor	Professor	12/04/2016	Regular	Yes		No
4	Dr. Jayadeva G. S.	XXXXXXX22D	Ph.D	IIT MADRAS	Device Modelling, Low power VLSI	04/09/2015	9.7	Professor	Professor	04/09/2015	Regular	Yes		No
5	Dr. Saneesh C. T.	XXXXXXX76E	Ph.D	VTU Belagavi	Signal Processing	22/11/2005	19.6	Lecturer	Associate Professor	25/07/2013	Regular	Yes		No
6	Dr. Surekha R Gondkar.	XXXXXXX84G	Ph.D	VTU Belagavi	Image Processing	05/02/2009	16.3	Assistant Professor	Associate Professor	06/02/2012	Regular	Yes		No

7	Dr. Vijayalakshmi G.V.	XXXXXXX94C	Ph.D	Vellore Institute of Technology, Vellore	Signal Processing	10/07/2019	5.10	Associate Professor	Associate Professor	10/07/2019	Regular	Yes		No
8	Dr. AnilKumar D.	XXXXXXX16L	Ph.D	VTU Belagavi	Embedded Systems	01/04/2005	20.2	Lecturer	Professor	01/04/2025	Regular	Yes		No
9	Dr. Anitha V. R	XXXXXXX51R	Ph.D	SV University	Antennas and Microwaves	18/06/2021	3.11	Associate Professor	Associate Professor	18/06/2021	Regular	Yes		No
10	Dr. Deepa.N. Reddy.	XXXXXXX58C	Ph.D	Savitribai Phule Pune University	Wireless Communication	30/07/2015	9.8	Assistant Professor	Associate Professor	11/10/2021	Regular	Yes		No
11	Dr. Mamatha K.R.	XXXXXXX72C	Ph.D	VTU Belagavi	Communication, Signal Processing	21/04/2007	18.1	Lecturer	Assistant Professor		Regular	Yes		No
12	Dr. Rashmi. N.	XXXXXXX86B	Ph.D	VTU Belagavi	Wireless Communication	05/08/2008	16.9	Lecturer	Associate Professor	01/04/2025	Regular	Yes		No
13	Dr. Jagannatha. K B.	XXXXXXX22J	Ph.D	VTU Belagavi	VLSI, Nano Materials	10/08/2009	15.8	Lecturer	Associate Professor	01/04/2025	Regular	Yes		No
14	Dr. Laxmisagar H.S.	XXXXXXX81N	Ph.D	VTU Belagavi	VLSI design and embedded systems	14/07/2011	13.8	Lecturer	Assistant Professor		Regular	Yes		No
15	Dr. Asha G Hagargund.	XXXXXXX64G	Ph.D	National Institute of Technology Karnataka, Surathkal	Digital Communication	15/07/2011	13.8	Lecturer	Assistant Professor		Regular	Yes		No
16	Dr. Sabina Rahaman	XXXXXXX07R	Ph.D	Vellore Institute of Technology, Vellore	VLSI design, Thin Film solar cells	15/07/2011	13.9	Lecturer	Associate Professor	01/04/2025	Regular	Yes		No
17	Dr. Suryakanth B. M.	XXXXXXX45M	Ph.D	Jain university	VLSI design and embedded systems,AI	04/03/2013	12.2	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Dr. Thyagaraj T.	XXXXXXX19C	Ph.D	VTU Belagavi	Artificial Intelligence	27/08/2013	11.7	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Dr.Raghunandan G H	XXXXXXX65L	Ph.D	VTU Belagavi	Wireless sensor Networks	09/07/2014	10.10	Assistant Professor	Assistant Professor		Regular	No	09/05/2025	No
20	Dr. Anna Merine George.	XXXXXXX63R	Ph.D	Reva University	Low power VLSI and Machine Learning	09/03/2023	2.2	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Dr.Asha K.	XXXXXXX15G	Ph.D	VTU Belagavi	Photonics and Integrated optics	12/04/2023	2.1	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Dr. Suneet kumar Agnihotri	XXXXXXX26J	Ph.D	PDPM IIITDM Jabalpur	VLSI(Nanostructured Solar cells)	17/04/2023	1.2	Assistant Professor	Assistant Professor		Regular	No	09/07/2024	No
23	Dr. Anitha M.	XXXXXXX63G	Ph.D	VTU Belagavi	Array Signal Processing	29/11/2023	1.5	Assistant Professor	Assistant Professor		Regular	Yes		No

24	Dr.P Satheesh Kumar.	XXXXXXX73M	Ph.D	Anna University, Chennai	RF Antenna and System Design	22/01/2024	1.4	Assistant Professor	Assistant Professor		Regular	No	26/05/2025	No
25	Dr. C S Mala	XXXXXXX23A	Ph.D	JNTU H	Embedded systems	04/02/2009	14	Assistant Professor	Professor	01/08/2018	Regular	No	28/02/2023	No
26	Dr.C P Mallikarjuna Gowda	XXXXXXX75D	Ph.D	VTU Belagavi	Wireless Communication ,Cognitive Radio Networks	04/02/2004	21.2	Lecturer	Associate Professor	10/10/2011	Regular	Yes		No
27	Dr. Thejaswini S	XXXXXXX79J	Ph.D	VTU Belagavi	Digital Communication and Networking	29/01/2007	18.3	Lecturer	Associate Professor	01/04/2025	Regular	Yes		No
28	Dr.Siddiq Iqbal	XXXXXXX49K	Ph.D	VTU Belagavi	Wireless Sensor Networks, Network Security	16/07/2007	17.10	Lecturer	Assistant Professor		Regular	Yes		No
29	Dr. Banuprakash R	XXXXXXX80F	Ph.D	VTU Belagavi	Electromagnetics, Microwave, Antenna Communication	10/08/2007	17.8	Lecturer	Associate Professor	01/04/2025	Regular	Yes		No
30	Dr.Saritha I G	XXXXXXX77G	Ph.D	VTU Belagavi	Wireless Sensor Networks, Embedded Systems	04/02/2008	17.3	Lecturer	Assistant Professor		Regular	Yes		No
31	Dr. Sowmyashree .M.S	XXXXXXX02F	Ph.D	VTU Belagavi	Wireless Sensor Networks, Embedded Systems	31/07/2008	16.9	Lecturer	Associate Professor	01/04/2025	Regular	Yes		No
32	Dr. Sumathi M S	XXXXXXX23F	Ph.D	VTU Belagavi	Wireless Sensor Networks, Embedded Systems	30/07/2010	14.10	Lecturer	Associate Professor	01/04/2025	Regular	Yes		No
33	Dr. Prathiba N	XXXXXXX07H	Ph.D	VTU Belagavi	Signal Processing, Embedded Systems	28/08/2013	11.9	Assistant Professor	Assistant Professor		Regular	Yes		No
34	Dr Soumya S Vastrad	XXXXXXX41D	Ph.D	VTU Belagavi	Wireless Sensor Networks	29/08/2024	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
35	Mr. Shivarudraiah B.	XXXXXXX03G	M.Tech	VTU Belagavi	VLSI design and embedded systems	04/03/2013	12.2	Assistant Professor	Assistant Professor		Regular	Yes		No
36	Mrs. Chandraprabha R	XXXXXXX09L	M.Tech	VTU Belagavi	Communication and Image Processing	12/03/2011	14.2	Lecturer	Assistant Professor		Regular	Yes		No
37	Mrs. Shilpa Hiremath.	XXXXXXX71C	M.Tech	VTU Belagavi	Image Processing	21/11/2013	11.6	Assistant Professor	Assistant Professor		Regular	Yes		No
38	Mrs. Vinutha	XXXXXXX56F	M.Tech	VTU Belagavi	Communication	02/07/2014	10.10	Assistant Professor	Assistant Professor		Regular	Yes		No
39	Dr Dankan Gowda	XXXXXXX65F	Ph.D	VTU Belagavi	Signal Processing	24/01/2020	5.4	Assistant Professor	Assistant Professor		Regular	Yes		No

40	Dr Paramita Sarkar	XXXXXXX52C	Ph.D	National Institute of Technology Silchar	Nanotechnology, Semiconductor Device modeling, Optoelectronic materials and devices, Solar cells.	03/10/2023	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
41	Dr. Seema Singh	XXXXXXX40M	Ph.D	JNTU H	Machine Learning & Neural Networks	01/09/2010	14.8	Assistant Professor	Professor	01/08/2018	Regular	Yes		No
42	Dr. Raju Hajare	XXXXXXX18K	Ph.D	VTU Belagavi	Nano Electronics	09/02/2010	15.3	Assistant Professor	Professor	01/04/2025	Regular	Yes		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 Department2 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	65	66	66
UG1.C	66	66	62
UG1.D	66	62	62
UG1: Electronics and Telecommunication Engineering	**197**	**194**	**190**
UG2.B	132	132	198
UG2.C	132	198	198
UG2.D	198	198	198
UG2: Electronics & Communication Engineering	**462**	**528**	**594**
DS=Total no. of students in all UG and PG programs in the Department	659	722	784
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=** 659	**S2=** 722	**S3=** 784

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
DF=Total no. of faculty members in the Department	40	37	34
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=** 40	**F2=** 37	**F3=** 34
FF=The faculty members in F who have a 100% teaching load in the first-year courses	3	3	2
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 17.81**	**SFR2= 21.24**	**SFR3= 24.50**
Average SFR for 3 years	**SFR= 21.18**		

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)	31	9	32.00	27.03
2023-24(CAYm1)	26	11	36.00	21.11
2022-23(CAYm2)	20	14	39.00	16.41

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	4.00	7.00	9.00	21.00	27.00
2023-24	4.00	4.00	8.00	9.00	24.00	24.00
2022-23	4.00	4.00	8.00	9.00	26.00	21.00
Average	RF1=3.67	AF1=4.00	RF2=7.67	AF2=9.00	RF2=23.67	AF2=24.00

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mrs. Ramya K P	Manager	Bioneeds	Biology for Engineers	50.00
2	Mr. Shivakumar H B	Assistant Professor	Seshadripuram college	Kannada	24.00
3	Smt. Snehashri Naveen Kumar	Music teacher	Sri Krishna Gana Sangeetha Shaale	Music	56.00
4	Dr. Kavita B Harihar	Assistant Professor	Basaveshwara degree college	English	24.00
5	Mrs. Ramya K P	Manager	Bioneeds	Bioinformatics	45.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mrs. Champa C H	Guest Faculty	Bangalore University	OOPS Lab	24.00
2	Mrs. Champa C H	Guest Faculty	Bangalore University	Basic Electronics	50.00
3	Mrs. Champa C H	Guest Faculty	Bangalore University	DE lab- Batch 1	36.00
4	Mrs. Champa C H	Guest Faculty	Bangalore University	DE lab- Batch 2	36.00
5	Mr. Matsa Satya Srinivasa	Reliance Circle Head	Reliance Industries Limited	TIME	40.00
6	Mr. Matsa Satya Srinivasa	Reliance Circle Head	Reliance Industries Limited	DE lab- Batch 1	36.00
7	Mr. Matsa Satya Srinivasa	Reliance Circle Head	Reliance Industries Limited	DE lab- Batch 2	36.00
8	Mr. Matsa Satya Srinivasa	Reliance Circle Head	Reliance Industries Limited	DE lab- Batch 3	36.00
9	Mr. Shivakumar H B	Assistant Professor	Seshadripuram college	Kannada	36.00
10	Dr. Kavita B Harihar	Assistant Professor	Basaveshwara degree college	English	24.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mrs. Sudha J	Assistant Professor	Sambhram institute of technology	Basic Electronics	40.00
2	Mrs. Sudha J	Assistant Professor	Sambhram institute of technology	DSD	40.00
3	Mrs. Sudha J	Assistant Professor	Sambhram institute of technology	DSD lab-Batch 1	36.00
4	Mrs. Sudha J	Assistant Professor	Sambhram institute of technology	DSD lab-Batch 2	36.00
5	Mrs. Sudha J	Assistant Professor	Sambhram institute of technology	EDI lab- Batch 1	36.00
6	Mr. Prabhakar Mishra	CEO	Vagmin Research Labs, Bengaluru	VLSI	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	41	30	28
2	No. of peer reviewed conference papers published	48	20	20

3	No. of books/book chapters published	32	21	11

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.Saneesh C T	Dr. Thejaswini S	Dept. of ECE	Adaptive motor imaginary based brain computer interface	VGST-GRE	3 years	40.00
Dr Seema Singh	-	Startup Founder account	Automatic compost machine	IIT Madras Carbon zero challenge 4.0	6 months	5.00
Dr Seema Singh	-	Startup No Lien Account	Automatic compost machine	Startup Karnataka Elevate PoC to market fund	1 year	23.00
						Amount received (Rs.):68.00

(CAYm2)

(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. Sabina Rahaman		Dept. of ECE	Fabrication of low-cost Cu_3BiS_3/ZnS based thin film solar cell using ultrasonic spray pyrolysis	DST-SERB	3 years	18.30
Dr. Seemasingh	Prof. Chandra Prabha R	Dept. of ECE	An Automated Support System for Diagnosis of Cervical Cancer using Deep Learning Based Artificial Intelligence for Mass Screening	VTU	3 years	11.00
						Amount received (Rs.):29.30

Total Amount (Lacs) Received for the Past 3 Years: 97.30

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.Banu Prakash.R	-	ECE	Design of Antennas	M/s Technilab Instruments	1month	0.22
Dr.Sowmya Shree.M.S		ECE	Website Developmen	M/s S J Ventures Vrukush Organics	6 Months	0.42
Dr. Saneesh C T	-	ECE	Capture the Signal – A comprehensive Signal Processing Education Event	IEEE Signal Processing Society	1 Month	1.47
						Amount received (Rs.):2.11

(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. Banuprakash R	-	ECE	Network Simulation Using NS2	Aditya College of Engineering Madanapalle	2 Days	0.20
						Amount received (Rs.):0.20

(CAYm3)

Total amount (Lacs) received for the past 3 years: 2.31

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 Anna Merine George and Dr Rashmi N	Prototype Development of Autonomous Forest Fire Monitoring System	2 years	2.00	0.00	ongoing
Dr Asha G H and Dr Asha K	Hardware Tested Validation of Emerging IEEE Time Sensitive Networking	2 years	1.60	1.49	ongoing
Dr. Vijayalakshmi G V and Mrs. Chandraparbha R	Smart Shoes for Visually impaired	2 years	0.35	0.35	Prototype Implemented
Dr. Paramita Sarkar	Fabrication of all-inorganic divalent cation doped cesium	2 years	0.76	0.36	ongoing
Prof. Shilpa Hiremath	Solar Powered Floating Waste Cleaner for Smaller Water Bodies	2 years	0.11	0.11	Prototype Implemented
Dr. Sabina Rahaman	Fabrication of low-cost Cu_3BiS_3/ZnS based thin film solar cell using ultrasonic spray pyrolysis	3 years	1.00	1.00	ongoing
			Amount received (Rs.): 5.82		

(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 Seema Singh	Automatic compost machine	6 months	2.45	2.45	Minimum Viable product
Dr. Sabina Rahaman	Fabrication of low-cost Cu_3BiS_3/ZnS based thin film solar cell using ultrasonic spray pyrolysis	3 years	3.00	3.00	ongoing
			Amount received (Rs.): 5.45		

(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. Seema Singh and Dr. Mamatha K R	Automatic compost machine	6 months	0.36	0.36	Prototype
			Amount received (Rs.): 0.36		

Total amount (Lacs) received for the past 3 years : 11.63

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	Analog and digital system design Laboratory/Electronics principle	3	CROs,DSO, Signal Generators, DC Regulated Power Supply, Digital Multimeter, DRB, DCB,LCR Meter, AC	ODD-20 hours	Mr. P Sharmas	Instructor	Diploma in ECE
2	Digital System Design Laboratory	2	Digital IC Trainer Kits, IC Tester Kit, Function generator, digital multimeter Computers-8 Model HP Compaq	ODD-27 hours	Mr. Y.S. Venkatasubbu Ba	Supervisor	Diploma in ECE
3	DSP Laboratory/CCN laboratory/Basic signal processing	1	Computers (29) Intel core i7, 12th Gen,2.10GHz, 32GB RAM, 1TB Hard Disc,512 GB SSD, 21 inch wide LED	ODD-8 hours E	Mr. Byrareddy/ Mrs. Priya	Instructor/Assistant Instruc	Diploma/BE in ECE
4	Advanced Communication Laboratory	2	Microwave Test Bench, Microstrip Devices, Antenna Setup, Test Bench Setup, OFC Kits, MWR Meter	ODD-8 hours	Mr. Y.S. Venkatasubbu Ba	Supervisor	Diploma in ECE
5	DSD using Verilog/ ARM processor/PCS	1	Vivado Software version 2016.0.1, Nexys4DDR -20 Computers (31) Intel core i7, 12th Gen,2.10GHz, 32GB	ODD- 20 hours	Mr. Shivamallu	Instructor	Diploma in ECE
6	VLSI Laboratory	2	REDhat 7.9 version Cadence Virtuoso 6.713 and GPDK 45nm, 90nm and 180nm package-20	EVEN-12Hours	Mrs. Supriya K	Instructor	Diploma in ECE
7	Project lab	1	CRO, Function Generator, Power supply, Multisim, Matlab, NS2, Xillinx, Open source software	fully Utilized	Mrs. Priya Rai	Assistant Instructor	BE in ECE

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Analog Circuits Laboratory	● Students are instructed to wear shoes inside the laboratory. ● Instructed students to turn off the power first then, unplug equipment before leaving the laboratory. ● Never handle electrical equipment with wet hands ● Instructed not to strip insulation wire with your teeth or a knife, always use an appropriate wire stripping tool. ● Report any damage to equipment, hazards, and potential hazards to the laboratory instructor ● Hot soldering irons should be rested in its holder. Never leave a hot iron unattended. ● Laboratories are well equipped with First Aid Kit and Fire Extinguisher. ● Educate the students about the location and usage of fire extinguisher ● CCTV is installed on the entire campus including classrooms, laboratories, corridors etc.
2	Digital System Design Laboratory	● Students are instructed to wear shoes inside the laboratory. ● Instructed students to turn off the power first then, unplug equipment before leaving the laboratory. ● Never handle electrical equipment with wet hands ● Instructed not to strip insulation wire with your teeth or a knife, always use an appropriate wire stripping tool. ● Report any damage to equipment, hazards, and potential hazards to the laboratory instructor ● Hot soldering irons should be rested in its holder. Never leave a hot iron unattended. ● Laboratories are well equipped with a First Aid Kit and Fire Extinguisher. ● Educate the students about the location and usage of fire extinguisher
3	DSP Laboratory/ CCN Laboratory	● Students are instructed not to wear shoes in the laboratory. ● If any problem arises with the system report it to the laboratory in charge. ● Students are instructed to keep all their files in one folder. ● Sign in the log register before leaving the lab. ● Students are not allowed to bring any memory devices without prior permission from the lab in charge. ● Instructed students to turn off the computer before leaving the laboratory. ● Cleanliness of the lab is ensured. ● Laboratories are well equipped with First Aid Kit and Fire Extinguisher Educated the students about the location and usage of fire extinguisher
4	Communication Laboratory	● Students are instructed to wear shoes inside the laboratory. ● Instructed students to turn off the power first then, unplug equipment before leaving the laboratory. ● Never handle electrical equipment with wet hands ● Instructed not to strip insulation wire with your teeth or a knife, always use an appropriate wire stripping tool. ● Report any damage to equipment, hazards, and potential hazards to the laboratory instructor ● Hot soldering irons should be rested in its holder. Never leave a hot iron unattended. ● Laboratories are well equipped with a First Aid Kit and Fire Extinguisher. ● Educate the students about the location and usage of fire extinguisher
5	HDL Laboratory/ ARM Laboratory	● Students are instructed not to wear shoes in the laboratory. ● If any problem arises with the system report it to the laboratory in charge. ● Students are instructed to keep all their files in one folder. ● Sign in the log register before leaving the lab. ● Students are not allowed to bring any memory devices without prior permission from the lab in charge. ● Instructed students to turn off the computer before leaving the laboratory. ● Cleanliness of the lab is ensured. ● Cell phones are not allowed inside the laboratory ● Laboratories are well equipped with First Aid Kit and Fire Extinguisher Educated the students about the location and usage of fire extinguisher
6	VLSI Laboratory	● Students are instructed not to wear shoes in the laboratory. ● If any problem arises with system report it to the laboratory in charge. ● Students are instructed to keep all their files in one folder. ● Sign in the log register before leaving the lab. ● Students are not allowed to bring any memory devices without prior permission from the lab in charge. ● Instructed students to turn off the computer before leaving the laboratory. ● Cleanliness of the lab is ensured. ● Laboratories are well equipped with First Aid Kit and Fire Extinguisher Educated the students about the location and usage of fire extinguisher

D3. Project Laboratory/Research Laboratory

The Department of Electronics and Communication has established a dedicated facility to support funded projects, research activities, innovation, and student's projects. This facility serves as a dynamic platform for students to actively engage in hands-on project work. Faculty members also make use of this laboratory to pursue their research work. The lab is equipped with resources for fabricating various optoelectronic devices, such as solar cells and photodetectors, as well as high-end computers for advanced computational tasks. Additional specialized equipment and facilities are detailed in the table below.

Table No. 7.5.1: List of facilities available in the R&D lab

Sl.No.	Name of the Laboratory	Facilities	Utilization
1.	Thin films and optoelectronic devices laboratory (TFOD)	• Thermal evaporation system (used for metal electrode) • Spray pyrolysis system (thin film preparation) • Spin coating system (thin Film Preparation) • Hot air oven (used for anneling of the sample/ draying) • Balance meter (weignt measurement) • Ultrasonic cleaner (sample cleaning) • Magnetic stirrer (stirring for solution)	**Funded Research Projects**: These facilities are utilized to conduct a research project funded by DST-SERB, New Delhi, India. **Research scholars:** Working on heterojunction photodetectors and solar cells make use of the facility for their experimental research**.** published a paper in **SCI-indexed journals** **Internship**: Four 4th-semester students have done internships in our laboratory and received hands-on training on the thermal system. Two students from BMSCE visited our laboratory and gained hands-on experience in preparing thin-film layers using the spray system. **Faculty Research**: Two faculty members from our department are utilizing the facility for their research work and have published papers in **SCI-indexed journals**. Our laboratory is well-equipped with advanced deposition systems, including spray pyrolysis and spin coating, for the fabrication of thin films. These films serve as suitable components in various optoelectronic devices such as solar cells, photodetectors, and LEDs etc. We utilize a thermal evaporation system to fabricate metal electrodes (silver, copper, and aluminum etc.) ensuring precise and reliable electrical contacts and we can measure the thickness of the deposited electrode. Additionally, These facilities are actively used by students, faculty, and research scholars for research activities, including synthesis of semiconductor material, device fabrication, and performance analysis. They also support hands-on training and internships, fostering innovation and skill development in the semiconductor field.

2.	Computational Neuroscience and Engineering Research Lab	The laboratory is equipped with 32-channel and 24-channel EEG headsets from Mitsar EEG, funded by the Vision Group on Science and Technology (VGST). These systems are used for acquiring high-resolution EEG data in both research and clinical settings. They support multi-channel recording, real-time monitoring, and are compatible with standard EEG acquisition protocols. Open BCI All in one R&D Biosensing Bundle	**Funded Research Projects**: These facilities are utilized to conduct a research project funded by Vision Group on Science and Technology (VGST), Karnataka, India. Cyton+Daisy Biosensing Board 16-channel 1 and Ultracortex Mark IV EEG Headset Pro-Assembled Medium 16-channel has been used by three project batches that include 12 students of three different departments (ECE, CSE, and ETE). The same boards are used for research purposes of one of the faculty members in the ECE and ETE departments.
		Dell Precision 3620: Workstation (GPU Based) Dell Precision 3650: Intel Xeon 11th Gen Processor, 128GB RAM, 24TB HDD with Nvidia Quadro RTX 5000 GPU	The system is being used extensively for the research purposes of three of our faculty members. This workstation is mainly used by these faculty members for deep learning training needs. The machine is installed with the latest versions of MATLAB through the campus-wide license. The machine has got a computing facility with the NVIDIA Quadro P1000 GPU. This will reduce the training time required for training deep learning networks. For AI and Deep learning applications
		Soldering workbench ESD Workbench table, ESD Chair, Soldering and De Soldering	ESD Workbench table with antistatic mat, ESD Chair, Temperature controlled soldering / De soldering / SMD rework station, LED Magnifier lamp, PCB holder is mainly used for soldering requirements and mainly students use this facility for their soldering needs while developing the circuits.
		Arduino Edge Control Board, Arduino Portenta Breakout, Arduino Portenta H7, Arduino NICLA SENSE ME, Arduino Protenta Vision Shield Ethernet, Arduino Portenta CAT.M1/NB IOT GNSS Shield	Used for developing and controlling automation projects, offering versatile input/output options for various sensors and actuators. Students from various branches use this facility to develop IoT applications. Students have won competitions using these facilities such as Smart India Hackathon, ISRO Challenge etc.
		Intel® RealSense™ Depth Camera D435i,	Designed for depth sensing and spatial awareness, commonly used in robotics, 3D scanning, and augmented reality applications.
		reComputer J2012 / J2021 - Edge AI Device with Jetson Xavier NX module, (16GB)	An edge AI device powered by the Jetson Xavier NX module, optimized for AI and machine learning tasks at the edge, with a pre-installed JetPack system for streamlined development.

		Analog Discovery Studio Oscilloscope: Channels 2 Sample Rate 100 MS/s Bandwidth 30 MHz+ Voltage Range ±25V Function Generator: 2 Channel 8 MHz, ±5V, Additional Output Port/s Stereo Audio Output Jack 2 Channel Programmable Power Supply 16 Channel Logic Analyzer 2 Channel Spectrum Analyzer	Serves as a portable lab for electronics, enabling circuit design, testing, and analysis with integrated tools like oscilloscopes and signal generators. Many project batches use this facility.
3	R and D Lab	Dell POwerEdge T150 Tower server with monitor. 64GB RAM, 2TB harddrive. Broadcom 5720 dualport 1gbps network single cable 300w psu	This setup is used to simulate a Time-Sensitive Networking environment to test the TSN standards proposed by IEEE 802.1 working group. Presently one faculty member is working on this research work.
4	BMS Innovation Centre and Entrepreneurship Park (BICEP)	HP 280G2 MT, RaspberryPi, Arduino, Sensors, Motors and other components to carry out IoT-based projects	BICEP serves as a vital platform for aspiring entrepreneurs among students and faculty, providing them with firsthand exposure to entrepreneurial practices and the tools needed to transform innovative ideas into viable businesses. It encourage students and faculties to catalyse development of innovation- driven enterprises 1.Inspire to create innovative environment 2.Fund innovative projects 3.Conduct - Awareness Programmes, Idea Contests 4.Motivate students to participate in various competitions, project exhibitions etc. outside the campus 5.Student Internship and conducted various workshop

5	Aarohan Lab – Centre of Excellence - Drones	Servo motor, XBee USB adaptor, SNS – 103 soil NPK sensor, ULTRASONIC SENSOR - HCSRC04, HTC DM-85T Digital TRMS Multimeter , JK Super Drive 5 Inch Professional and DIY Wire Stripper, KAIWEETS Digital Clamp Meter T-RMS 6000 Counts, MOYESTA 6-in-1 Wire Stripper and Cutter Pliers Tools For Electricians Wire and Cable Stripping, Cutting, Winding, Crimping Precision Stainless Steel Hand Tool for Electrician Decrustation Tool, VAR TECH 850A SMD Rework station 270W, Generic New 6pcs/Set Anti-Static, APTECH DEALS 100 W Glue Gun with 5 Glue Sticks, Catchex Helping Hand Magnifier Soldering Stand Etc.	Ongoing Projects at Aarohan lab: 1.Robotic Aerial and Planetary Terrain Operation Rover (RAPTOR) 2.Smart footwear system for visually impaired community 3.Crab Style Wheelchair 4.Solar Power Floating Waste Cleaner for Small Water Bodies 5.Ultrasonic Parametric Acoustic Array (USPA) 6.Development of food quality monitoring labels/ stickers 7.Smart Perfume Dispensary based on smell.
6	E-yantra lab	FirebirdV,ESP32 Development board Rasberry PI,LPC2148 Development development board,Spark V,P89V51RD2 Development Board,ESP8266 Development Board,Altera Cyclone IV FPGA , DE0-Nano	Microcontroller boards with sensors to enable the faculty and students to do their projects
7	Quick UNIX (QNX)	QNX is a commercial, Unix-like, real-time operating system (RTOS) primarily used in embedded systems. Its known for its reliability, security, and real-time performance, making it suitable for mission-critical systems. QNX is developed by BlackBerry and is widely used in industries like automotive, medical devices, and robotics.	Conducted orientation program on QNX on 3.6.2025 for 4th semester of ECE. Students are motivated by the orientation program and the outcome of the orientation program lead to introduce QNX as professional elective in coming semester , which helps students to learn QNX concepts and implementation of QNX Lab exercises followed by learning prerequisites of QNX such as Operating systems , Embedded systems components and Embedded C programming concepts .

8	IT cell details	BMSIT&M has established one of its best, robust network infrastructure in 2019-2020 to facilitate reliable and high speed internet service to Students, Faculty and Researchers at the campus and BMSIT&M Hostels.	1.Both wired and Wi-Fi Internet facility is available in all the buildings of the BMSIT&M with OFC connectivity. All Laboratories in the campus have LAN connectivity. 2.The network support service team is responsible for Supporting, Maintaining, Monitoring and Upgrading both wired and Wi-Fi service and server infrastructure at Campus and hostels. 3.BMSIT&M has set up its own DATACENTER with all advanced equipment like UTM, Core switch, advanced WIFI 4.Bandwidth per User: data per user and bandwidth of 100Mbps upper bandwidth is reserved per user. It is shared as the user increases in the network
9	Turnitin	Unlimited user can use this facility	faculty and students are writing their research paper, so we have to check the plagiarism report to get the confidence about the paper. Faculty and students use Turnitin to check plagiarism reports and ensure originality in their research papers.
10	B.S. Narayan Center of Excellence	Equipped with state-of-the-art AI, teeming with workshops for stakeholders for reskilling, and entrepreneurship with platform incubation for all centric on AI. It houses the NVIDIA DGX A100 server, delivering a whopping performance of 56 instances in parallel devoid of computation deterioration	Faculty members are actively utilizing this facility to support and enhance their ongoing research work, including data analysis, simulations, and preparation of research publications

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)	840	42	33	21	73
2023-24(CAYm1)	1080	54	34	21	58
2024-25(CAY)	1680	84	47	22	50

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	310414000	195950622	63027000	245603557	92012000	146850938	90406990	75119573
Library	4820000	3009564	4540000	1652480	4532000	3213379	3105672	2081176
Laboratory equipment	98085000	100195987	56297723	48425365	47218800	37131454	37047150	35449946
Teaching and non-teaching staff salary	540549363	504853556	468845121	420514176	406576332	387082539	316400000	327554068
Outreach Programs	650000	822236	284000	66478	261000	72933	226240	158298
R&D	6455000	5271061	3000000	1515297	4100000	681028	1450000	569069
Training, Placement and Industry linkage	9356300	5020700	4650000	3965459	6029000	4554823	1106000	1072119
SDGs	7500000	6335430	6700000	5388445	7050000	5501432	6687000	3987905
Entrepreneurship	4450000	2886460	3020000	3103215	4700000	1060792	1850000	32748
Others, specify	178103253	133795856	159505947	230249609	96201342	145176583	80165841	120491420
Total	**1160382916**	**958141472**	**769869791**	**960484081**	**668680474**	**731325901**	**538444893**	**566516322**

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	1300000	1199614	2422000	1997257	2717000	2383000	5045000	1627000

Software	1100000	944000	0	0	1100000	885000	0	0
SDGs	300000	348025	300000	293868	100000	65302	0	0
Support for faculty development	100000	85639	100000	25000	100000	74548	100000	8000
R & D	800000	758710	400000	378540	600000	547360	200000	118360
Industrial Training, Industry expert, Internship	100000	78206	100000	94499	200000	199044	150000	108500
Lab Setup and Furniture, Office	1500000	1496974	800000	784213	600000	530000	100000	50000
Total	**5200000**	**4911168**	**4122000**	**3573377**	**5417000**	**4684254**	**5595000**	**1911860**