

**NATIONAL BOARD OF ACCREDITATION**

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

<b>Program Name</b> : Computer Science and Engineering	<b>Discipline</b> : Engineering & Technology
<b>Level</b> : Under Graduate	<b>Tier</b> : 1
<b>Application No</b> : 10565	<b>Date of Submission</b> : 28-05-2025

**PART A- Profile of the Institute**

<b>A1.Name of the Institute:</b> BMS Institute of Technology and Management	
Year of Establishment : 2002	Location of the Institute: Bangalore
<b>A2. Institute Address:</b> 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
<b>A3. Name and Address of the Affiliating University (if any):</b>	
Name of the University : Visvesvaraya Technological University	City:
State :	Pin Code: 0
<b>A4. Type of the Institution:</b> Deemed University	
<b>A5. Ownership Status:</b> 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)

Allied Department/Cluster Name	Program Name	Program Level
Artificial Intelligence and Machine Learning	Artificial Intelligence and Machine Learning	UG
Computer Science and Business System	Computer Science and Business System	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	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED
1	Computer Science and Engineering	UG	2002 / --	60	Yes	2024	900	2024	F.No.South-West/1-43664536384/2024/EoA/Corrigendum-1	Granted accreditation for 3 years for the period (specify period)	2022	2025	2

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
<b>Sanctioned Intake for Last Five Years for the Cyber Security</b>													
<b>Academic Year</b>			<b>Sanctioned Intake</b>										
2024-25			900										
2023-24			240										
2022-23			180										
2021-22			180										
2020-21			180										
2019-20			180										

## List of the Allied Departments/Cluster and Programs:

SR.NO.	ALLIED DEPARTMENT NAME	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED
1	Computer Science and Business System	Computer Science and Business System	UG	2023 / --	60	No	NA	60	2023	F. No. South-WesV1 -36550369480 I2023IEO A	Not eligible for accreditation	--	--	0
2	Artificial Intelligence and Machine Learning	Artificial Intelligence and Machine Learning	UG	2019 / --	60	Yes	2024	360	2024	F. No. South-WesV1 -36550369480 I2023IEO A	Applying first time	--	--	0

<b>Sanctioned Intake for Last Five Years for the Artificial Intelligence and Machine Learning</b>	
<b>Academic Year</b>	<b>Sanctioned Intake</b>
2024-25	360
2023-24	180
2022-23	120
2021-22	60
2020-21	60
2019-20	60

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

A. Name of the HoD :	Dr.Sanjay H A
----------------------	---------------

B. Nature of appointment:	Regular
C. Qualification:	ME/M. Tech and PhD

**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)	900	240	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	900	248	191	199	182	180	188
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	24	18	18	17	23	18
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	122	30	27	37	38	38	38
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	1022	302	236	254	237	241	244

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)	900	900	122	113.56
2023-24 (CAYm1)	240	248	30	115.83
2022-23 (CAYm2)	180	191	27	121.11

Average [ (ER1 + ER2 + ER3) / 3 ] = 116.83≅ 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).	237.00	241.00	244.00
B=No. of students who graduated from the program in the stipulated course duration	201.00	193.00	220.00
Success Rate (SR)= (B/A) * 100	84.81	80.08	90.16

Average SR of three batches ((SR\_1+ SR\_2+ SR\_3)/3): 85.02

**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)	8.35	8.66	7.63
Y=Total no. of successful students	261.00	200.00	201.00
Z=Total no. of students appeared in the examination	269.00	208.00	217.00
API [X*(Y/Z)]	8.10	8.33	7.07

Average API[ (AP1+AP2+AP3)/3 ] : 7.83

**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 2nd year/10)	8.48	8.18	7.16
Y=Total no. of successful students	229.00	236.00	228.00
Z=Total no. of students appeared in the examination	229.00	238.00	236.00
API [ X * (Y/Z) ]	8.48	8.11	6.92

Average API [ (AP1 + AP2 + AP3)/3 ] : 7.84

**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)	8.48	7.31	6.84
Y=Total no. of successful students	236.00	225.00	225.00
Z=Total no. of students appeared in the examination	236.00	228.00	234.00
API [ X*(Y/Z) ]:	8.48	7.21	6.23

Average API [ (AP1 + AP2 + AP3)/3 ] : 7.31

**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	225.00	225.00	225.00
X=No. of students placed	171.00	182.00	190.00
Y=No. of students admitted to higher studies	15.00	18.00	16.00
Z= No. of students taking up entrepreneurship	6.00	4.00	4.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	85.33	90.67	93.33

Average Placement Index = (P\_1 + P\_2 + P\_3)/3: 89.78 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.Sanjay H A	XXXXXXXX68F	XXXXXXXXXXXXXXXXPhD	Indian Institute of Science	Parallel Computing	28/02/2024	1.2	Professor	Professor	28/02/2024	Regular	Yes		Yes
2	Dr.Thippeswamy G	XXXXXXXX19M	Ph.D	Mangalore University	Image Processing	19/08/2013	11.7	Professor	Professor	19/08/2013	Regular	Yes		No
3	Dr.Mahesh G	XXXXXXXX90H	Ph.D	VTU	Wireless Networks	06/08/2018	6.9	Associate Professor	Professor	01/07/2024	Regular	Yes		No
4	Dr.Satish Kumar T	XXXXXXXX50A	Ph.D	Anna University	Algorithms,Compilers	28/08/2018	6.9	Assistant Professor	Professor	01/04/2025	Regular	Yes		No
5	Dr. Usha B A	XXXXXXXX70A	Ph.D	VTU	Information Security	01/06/2018	6.11	Associate Professor	Professor	10/11/2022	Regular	Yes		No
6	Dr. Nagabhushan. S. V	XXXXXXXX15P	Ph.D	VTU	Decision Science and Optimization	04/08/2006	18.9	Assistant Professor	Associate Professor	11/10/2021	Regular	Yes		No
7	Dr. Hemamalini B H	XXXXXXXX03A	Ph.D	VTU	Educational Data Mining	23/07/2010	14.9	Assistant Professor	Professor	01/04/2025	Regular	Yes		No
8	Dr. Bharati R	XXXXXXXX84F	Ph.D	Prist University	Security in IOT	12/08/2009	15.9	Assistant Professor	Associate Professor	01/07/2013	Regular	Yes		No
9	Dr. Radhika. K. R	XXXXXXXX50M	Ph.D	Banglore University	Data Mining	23/01/2013	12.2	Assistant Professor	Associate Professor	01/07/2024	Regular	Yes		No
10	Dr. Ashwini N	XXXXXXXX25B	Ph.D	VTU	Data Science	11/08/2012	12.8	Assistant Professor	Associate Professor	01/07/2024	Regular	Yes		No
11	Dr. Aruna Kumari. B. N	XXXXXXXX57D	Ph.D	VTU	Software Engineering	06/08/2018	6.9	Assistant Professor	Associate Professor	01/07/2024	Regular	Yes		No
12	Dr.Gerard Deepak	XXXXXXXX51R	Ph.D	NIT, Tiruchirappalli	Semantic Artificial Intelligence,Web Mining, Explainable AI	05/08/2024	0.8	Associate Professor	Associate Professor	05/08/2024	Regular	No	25/03/2025	No
13	Dr. Ravi Hosur	XXXXXXXX50M	Ph.D	VTU	IOT, Digital Forensics, Digital Image Processing	25/07/2024	0.10	Associate Professor	Associate Professor		Regular	Yes		No
14	Prof. Vishakha Yadav	XXXXXXXX58L	XXXXXXXXXXXXXXXXXng	VTU	Computer Vision	11/02/2005	20.2	Lecturer	Assistant Professor		Regular	Yes		No

15	Dr.Anand R	XXXXXXXX15C	Ph.D	Presidency University	Machine Learning and Data Mining	30/09/2006	18.8	Lecturer	Assistant Professor		Regular	Yes		No
16	Dr. Muneshwara M S	XXXXXXXX71H	Ph.D	VTU	Block Chain Network,IOT, Cloud Computing	14/09/2006	18.8	Lecturer	Assistant Professor		Regular	Yes		No
17	Prof.Durga Devi G Y	XXXXXXXX14E	M.E/M.Tech	VTU	Network Security	06/02/2008	17.2	Lecturer	Assistant Professor		Regular	Yes		No
18	Prof.Jagadish P	XXXXXXXX49J	M.E/M.Tech	VTU	Image Processing	08/02/2010	15.2	Lecturer	Assistant Professor		Regular	Yes		No
19	Dr.Durga Bhavani A	XXXXXXXX90B	Ph.D	VTU	IOT	14/03/2011	14.2	Assistant Professor	Assistant Professor		Regular	Yes		No
20	prof.Rajesh N V	XXXXXXXX91E	M.E/M.Tech	VTU	Machine Learning	18/04/2011	13.11	Lecturer	Assistant Professor		Regular	Yes		No
21	Dr. Ambika G N	XXXXXXXX76F	Ph.D	VTU	Artificial Intelligence	07/03/2012	13.2	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Dr. Vidya R	XXXXXXXX87P	Ph.D	VTU	Computer Network Security	07/03/2012	13.2	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Prof. A Mari Kirthima	XXXXXXXX98J	M.E/M.Tech	Anna University	Computer Network	16/08/2012	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Dr. Shankar R	XXXXXXXX34J	Ph.D	VTU	Sentiment Analysis	31/07/2015	9.9	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Prof. Guru Prasad S	XXXXXXXX03P	M.E/M.Tech	VTU	Data Science	02/07/2014	10.9	Assistant Professor	Assistant Professor		Regular	Yes		No
26	Dr. Laxmi B N	XXXXXXXX95Q	XXXXXXXXXXXXXXXXXPhD	VTU	Machine Learning	12/02/2020	5.1	Assistant Professor	Assistant Professor		Regular	Yes		No
27	Dr.Dhanalakshmi B K	XXXXXXXX87F	Ph.D	VTU	Cloud Computing	01/03/2021	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
28	Prof.Shilpa M	XXXXXXXX78M	M.E/M.Tech	VTU	Ma	01/03/2024	1.1	Assistant Professor	Assistant Professor		Regular	Yes		No
29	Prof.Goutami CH	XXXXXXXX52L	M.E/M.Tech	JNTU Ananthapur	Machine Learning	20/03/2024	1	Assistant Professor	Assistant Professor		Regular	Yes		No
30	Dr. Jai Arul Jose G	XXXXXXXX55J	Ph.D	Sathyabama University	Information Security	21/03/2024	1	Assistant Professor	Assistant Professor		Regular	Yes		No
31	Dr.Mohammed Khurram J	XXXXXXXX97P	Ph.D	VTU	Computer Network, Cyber Security	15/07/2024	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
32	Shama M	XXXXXXXX19G	M.E/M.Tech	VTU		02/04/2018	7	Assistant Professor	Assistant Professor		Regular	Yes		No
33	Prof.Packiya Lekshmi	XXXXXXXX27M	M.E/M.Tech	Anna University	Computer Network	15/07/2024	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
34	Chaitanya V	XXXXXXXX99M	M.E/M.Tech	BU	Artificial Intelligence and Machine Learning	30/08/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No

35	Prof.Akshay Arya	XXXXXXX56D	M.E/M.Tech	VTU	Computer Network	25/07/2024	0.9	Assistant Professor	Assistant Professor		Regular	Yes		No
36	Neetha P.U.	XXXXXXX14K	XXXXXXXXXXXXXXXXXPhD	BU	Deep Learning	30/08/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
37	Prof. Chandini A	XXXXXXX34J	M.E/M.Tech	Reva University	Computer Science Engineering	05/08/2024	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
38	Soujanya S.D.	XXXXXXX37L	M.E/M.Tech	VTU	CSE	29/08/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
39	Prof. Priyanka M R	XXXXXXX87J	M.E/M.Tech	VTU	Block Chain	12/08/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
40	Prof. Arpitha Shivanna	XXXXXXX98A	M.E/M.Tech	Banglore University	Computer Network	21/08/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
41	Sunanda Dixit	XXXXXXX56H	XXXXXXXXXXXXXXXXXPhD	VTU	Image Processing	07/08/2019	6.2	Associate Professor	Associate Professor		Regular	No	25/10/2023	No
42	Anjan Krishnamurthy	XXXXXXX74D	XXXXXXXXXXXXXXXXXPhD	VTU	Network security	14/08/2018	5.8	Associate Professor	Professor	12/11/2022	Regular	No	03/05/2024	No
43	Dr. Anil G N	XXXXXXX66G	Ph.D	Rani Chennamma University	Adhoc Networks	22/07/2002	22.8	Lecturer	Professor	01/08/2018	Regular	Yes		No
44	Prof. Tanya Chandra	XXXXXXX73A	M.E/M.Tech	Punjab Engineering College	Deep Learning and Machine Learning	04/03/2024	1.1	Assistant Professor	Assistant Professor		Regular	Yes		No
45	Dr. Basavraj G N	XXXXXXX21D	XXXXXXXXXXXXXXXXXPhD	JNTU	Wireless Sensor Network	06/06/2022	2.10	Assistant Professor	Assistant Professor		Regular	Yes		No
46	Dr. Chetana C	XXXXXXX53J	XXXXXXXXXXXXXXXXXPhD	JJTU	Artificial Intelligence	07/03/2012	13.1	Assistant Professor	Assistant Professor		Regular	Yes		No
47	Dr. Shanthi D L	XXXXXXX36P	XXXXXXXXXXXXXXXXXPhD	VTU	Wireless Sensor Network	13/08/2012	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
48	Dr. Gireesh Babu C N	XXXXXXX06M	XXXXXXXXXXXXXXXXXPhD	VTU	Artificial Intelligence	31/08/2013	11.8	Assistant Professor	Assistant Professor		Regular	Yes		No
49	Dr. Swetha M S	XXXXXXX80C	XXXXXXXXXXXXXXXXXPhD	VTU	Cyber Security	02/07/2014	10.10	Assistant Professor	Assistant Professor		Regular	Yes		No
50	Mahalakshmi S	XXXXXXX70H	M.E/M.Tech	Anna University	Soft Computing	13/08/2012	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
51	Ambika R S	XXXXXXX38B	M.E/M.Tech	Reva	Artificial Intelligence	10/07/2013	11.9	Assistant Professor	Assistant Professor		Regular	Yes		No
52	Dr. Savitha S	XXXXXXX25R	XXXXXXXXXXXXXXXXXPhD	VTU	Wireless Sensor Network	28/05/2022	2.11	Assistant Professor	Assistant Professor		Regular	Yes		No
53	Dr. Harish Kumar N	XXXXXXX90K	XXXXXXXXXXXXXXXXXPhD	VTU	IOT.ML	05/05/2023	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No
54	Dr. Kalai Vani Y S	XXXXXXX86D	XXXXXXXXXXXXXXXXXPhD	Hindustan University	Cyber Security, ML	10/04/2023	2	Assistant Professor	Assistant Professor		Regular	Yes		No



55	Dr. Srinivas B V	XXXXXXX51M	XXXXXXXXXXXXXXPhD	VTU	Cloud Computing	28/07/2023	1.9	Assistant Professor	Assistant Professor		Regular	Yes		No
56	Sonne Gowda	XXXXXXX98A	M.E/M.Tech	VTU	Cyber Security	02/05/2024	1	Assistant Professor	Assistant Professor		Regular	Yes		No
57	Saritha A K	XXXXXXX07E	M.E/M.Tech	Calicut University	ML	10/06/2024	0.10	Assistant Professor	Assistant Professor		Regular	Yes		No
58	Amulya P	XXXXXXX90R	M.E/M.Tech	Bangalore University	Cloud Computing	02/08/2024	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
59	Sowmya K	XXXXXXX29J	M.E/M.Tech	VTU	Cyber Security	03/08/2024	0.8		Assistant Professor		Regular	Yes		No
60	Bhavya G	XXXXXXX89N	M.E/M.Tech	VTU	ML	24/08/2023	1.8	Assistant Professor	Assistant Professor		Regular	Yes		No
61	Vinay Kumar Y B	XXXXXXX99K	M.E/M.Tech	Bangalore University	Computer Networks	20/05/2024	0.11	Assistant Professor	Assistant Professor		Regular	Yes		No
62	Annapareddy Haarika	XXXXXXX75R	M.E/M.Tech	JNTU, Kakinada	IOT, Computer Networks	01/08/2024	0.9	Assistant Professor	Assistant Professor		Regular	Yes		No
63	Malini M	XXXXXXX65C	M.E/M.Tech	Anna University	Image Processing, Deep Learning	02/08/2024	0.8	Assistant Professor	Associate Professor		Regular	Yes		No
64	Sanjana V Hunashikatti	XXXXXXX52C	M.E/M.Tech	Bangalore University	Data Mining, Data Science	18/03/2025	0.1	Assistant Professor	Assistant Professor		Regular	Yes		No
65	Spandana L	XXXXXXX56J	M.E/M.Tech	VTU	Artificial Intelligence	09/09/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
66	Dr. surekha K B	XXXXXXX38N	XXXXXXXXXXXXXXPhD	JNTU	Wireless Sensor Network	19/02/2021	4.2	Associate Professor	Professor	01/07/2024	Regular	Yes		No
67	Dr. Narasimhamurthy M S	XXXXXXX00P	XXXXXXXXXXXXXXPhD	VTU	Software Engineering, Cloud Computing, AML	26/02/2021	4.2	Assistant Professor	Associate Professor	01/07/2024	Regular	Yes		No
68	Dr. Pushpa S K	XXXXXXX86F	XXXXXXXXXXXXXXPhD	Vinayaka Mission University	Wireless Sensor Network	02/07/2004	20.10	Assistant Professor	Professor	01/08/2018	Regular	Yes		No
69	Dr. rakesh N	XXXXXXX42G	XXXXXXXXXXXXXXPhD	Priest University, Thanjore, Tamil Nadu	Voice Security, Propagation Channel Modelling	05/04/2021	4	Associate Professor	Associate Professor	05/04/2021	Regular	Yes		No
70	Dr. shoba M	XXXXXXX88M	XXXXXXXXXXXXXXPhD	Reva University	Wireless Sensor Network	10/11/2021	3.5	Associate Professor	Associate Professor	10/11/2021	Regular	Yes		No
71	Dr. Manjunath T N	XXXXXXX16K	XXXXXXXXXXXXXXPhD	Bharathiar University	Data Management	03/08/2015	9.9	Professor	Professor	03/08/2015	Regular	Yes		No
72	Dr. Bhuvaneshwari C M	XXXXXXX30Q	XXXXXXXXXXXXXXPhD	Central University of Hyderabad	NLP	01/04/2021	4.1	Professor	Professor	01/04/2021	Regular	Yes		No

73	Dr. Arun Kumar B R	XXXXXXXX08H	XXXXXXXXXXXXXXXXXXPhD	Dravidian University,AP Govt	Wireless Sensor Network, Cyber Security	08/01/2013	12.3	Professor	Professor	08/01/2013	Regular	Yes		No
74	Dr. Sheela Kathavate	XXXXXXXX01J	XXXXXXXXXXXXXXXXXXPhD	VTU	Parallel Computing	05/03/2020	5.1	Associate Professor	Associate Professor	05/03/2020	Regular	Yes		No
75	Dr. Geeta Amol Patil	XXXXXXXX13H	XXXXXXXXXXXXXXXXXXPhD	BITS	Computer Architecture	15/03/2021	4.1	Associate Professor	Associate Professor	15/03/2021	Regular	Yes		No
76	Dr. Mohan B A	XXXXXXXX14P	XXXXXXXXXXXXXXXXXXPhD	VTU	IOT	18/10/2021	3.6	Assistant Professor	Associate Professor	01/07/2024	Regular	Yes		No
77	Dr. Veena N	XXXXXXXX79M	XXXXXXXXXXXXXXXXXXPhD	VTU	Brain Computer Interface	07/09/2015	9.7	Assistant Professor	Associate Professor	10/11/2021	Regular	Yes		No
78	Dr. Prakash G L	XXXXXXXX12A	XXXXXXXXXXXXXXXXXXPhD	UPES	Cloud Data Security	10/11/2021	3.5	Associate Professor	Associate Professor	10/11/2021	Regular	Yes		No
79	Dr. Chandrashekar K T	XXXXXXXX24B	XXXXXXXXXXXXXXXXXXPhD	VTU	ML	16/08/2012	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
80	Dr. Vinutha K	XXXXXXXX01J	XXXXXXXXXXXXXXXXXXPhD	VTU	ML	02/07/2014	10.10	Assistant Professor	Assistant Professor		Regular	Yes		No
81	Dr. ravi Kumar B N	XXXXXXXX63B	XXXXXXXXXXXXXXXXXXPhD	VTU	Artificial Intelligence	03/07/2014	10.10	Assistant Professor	Assistant Professor		Regular	Yes		No
82	Prof.Anusha K L	XXXXXXXX70B	M.E/M.Tech	VTU	Computer Network	08/04/2025	0	Assistant Professor	Assistant Professor		Regular	Yes		No
83	prof.Ajith S	XXXXXXXX66K	M.E/M.Tech	VTU	Deep Learning, Image Processing,LLP	17/03/2025	0.1	Assistant Professor	Assistant Professor		Regular	Yes		No
84	Prof.Gururaj P	XXXXXXXX24Q	M.E/M.Tech	VTU	Cloud Computing	02/04/2025	0.1	Assistant Professor	Assistant Professor		Regular	Yes		No
85	Beerappa	XXXXXXXX28F	M.Tech	VTU	Cyber security	28/08/2024	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
86	Dr.Archana R A	XXXXXXXX51G	Ph.D	Bharathiyar University	Big Data	25/03/2021	4.2	Assistant Professor	Associate Professor	01/07/2024	Regular	Yes		No
87	Prof. Srujana SN	XXXXXXXX08G	M.Tech	VTU	Computer Networking	02/05/2025	0	Assistant Professor	Assistant Professor		Regular	Yes		No
88	Prof. Belji T	XXXXXXXX51D	M.Tech	Anna University	IOT	05/05/2025	0	Assistant Professor	Assistant Professor		Regular	Yes		No
89	prof.Sneha Sureddy	XXXXXXXX90N	M.Tech	JNTU Hyderabad	Machine Learning, Deep Learning, Computer Vision	08/05/2025	0	Assistant Professor	Assistant Professor		Regular	Yes		No
90	prof.Shilpa K A	XXXXXXXX12D	M.Tech	VTU	Computer Science	05/05/2025	0	Assistant Professor	Assistant Professor		Regular	Yes		No
91	Pushpanathan G.	XXXXXXXX26J	M.Tech	VTU	CSE	05/09/2024	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No

92	Brunda S	XXXXXXX21K	M.Tech	VTU	Deep learning and Image Processing	29/02/2024	1.2	Assistant Professor	Assistant Professor		Regular	Yes		No
93	Dr.Drakshaveni G.	XXXXXXX89K	M.Tech	VTU	CSE	04/07/2022	2.10	Assistant Professor	Associate Professor	01/07/2024	Regular	Yes		No
94	Dr.Sudersanam	XXXXXXX54Q	XXXXXXXXXXXXX.D.	VTU	Parallel Computing	27/05/2022	3	Assistant Professor	Associate Professor	01/07/2024	Regular	Yes		No
95	Dr.Sudhamani M.V.	XXXXXXX92R	XXXXXXXXXXXXX.D.	VTU	Image Processing	11/10/2021	3.7	Professor	Professor		Regular	No	14/05/2024	No
96	Dr.Anil Kumar	XXXXXXX09F	XXXXXXXXXXXXX.D.	NITK	Networks on chips	09/05/2022	1.10	Assistant Professor	Assistant Professor		Regular	No	02/04/2024	No
97	Dr.Kshama	XXXXXXX69H	XXXXXXXXXXXXX.D.	VTU	Cloud Computing	05/08/2022	1.8	Assistant Professor	Assistant Professor		Regular	No	17/04/2024	No
98	Dr.Karthik S.A.	XXXXXXX18B	XXXXXXXXXXXXX.D.	VTU	Machine Learning	06/06/2022	1.11	Assistant Professor	Assistant Professor		Regular	No	09/05/2024	No

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

Sr.No	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr. Anupama H.S.	XXXXXXX60N	NA	Ph.D	VTU	Human Computer Interface	06/08/2018	6.9	Associate Professor	Professor	01/07/2024	Regular	Yes		No
2	Dr, Bharathi Malakreddy A		NA	Ph.D	JNTU Hyderabad	Wireless sensor Network, AI	09/02/2015	10.3	Assistant Professor	Professor	12/04/2016	Regular	Yes		No
3	Dr. Pradeep K R		NA	Ph.D	VTU	ML,IOT, Data Analytics	27/10/2021	3.7	Assistant Professor	Associate Professor	01/07/2024	Regular	Yes		No
4	Dr. Manoj H M	XXXXXXX05A	NA	Ph.D	Jain University	Software Engineering	31/01/2020	5.2	Assistant Professor	Associate Professor	01/07/2024	Regular	Yes		No
5	Dr. Archana Bhat	XXXXXXX42A	NA	Ph.D	NITK,Surathkal	IOT	05/08/2022	2.8	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Dr. Srivani P	XXXXXXX27L	NA	Ph.D	VTU	IOT,AI ML	16/07/2014	10.10	Assistant Professor	Associate Professor	01/07/2024	Regular	Yes		No
7	prof. Megha S	XXXXXXX78N	NA	M.Tech	VTU	Computer Network	30/08/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Dr. Niranjana Murthy M	XXXXXXX12C	NA	Ph.D	JJTU,India	Data Science	01/10/2022	2.7	Assistant Professor	Associate Professor	01/07/2024	Regular	Yes		No

9	Prof. Kavitha D	XXXXXXX66K	NA	M.Tech	VTU	Computer Network Engineering	18/07/2024	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Prof. Amitha S K	XXXXXXX63P	NA	M.Tech	VTU	Computer Network, HPC, Cloud Computing	13/05/2024	0.10	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Sanjay M Belgaonkar	XXXXXXX57B	NA	MS	Liverpool john Moores University,UK	AI and Machine learning	01/12/2023	1.4	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Prof. Shobhit Tembhe	XXXXXXX00F	NA	M.Tech	Malaviya National Institute Of Technology,Jaipur	Computer Science and InfoSec	30/01/2024	1.2	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Prof. Sachin Urabinahatti	XXXXXXX38N	NA	M.Tech	VTU	Image Processing	01/01/2024	1.3	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Dr. Rajesh I S	XXXXXXX66H	NA	Ph.D	VTU	Medical Image Processing	12/05/2022	2.11	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Prof. Shruthi S	XXXXXXX21R	NA	M.E/M.Tech	VTU	Computer Science Engineering	12/08/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Prof. Mayuri K P	XXXXXXX77N	NA	M.Tech	VTU	Computer Science Engineering	10/07/2024	0.9	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Prof. Chidananda K	XXXXXXX79P	NA	M.Tech	VTU	CSE	02/05/2024	0.11	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Dr. kantharaju	XXXXXXX48R	NA	Ph.D	VTU	Wireless sensor Network	01/12/2022	2.5	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Prof. Balaraju G	XXXXXXX14L	NA	M.Tech	VTU	CSE	23/05/2024	1	Assistant Professor	Assistant Professor		Regular	Yes		No
20	prof. Yatheesh N G		NA	M.Tech	Jain University	CSE	08/11/2023	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
21	UdayPrasad P.K	XXXXXXX56N	NA	M.E/M.Tech	BU	CSE	11/09/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Mr.Abhishek K	XXXXXXX76E	NA	M.E/M.Tech	VTU	CSE	03/10/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Mr. Umesh T	XXXXXXX82C	NA	M.E/M.Tech	VTU Belagavi		19/02/2025	0.2	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Mrs.Sowmya V L	XXXXXXX87Q	NA	M.E/M.Tech	VTU Belagavi	CSE	25/02/2025	0.2	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Vishwakiran	XXXXXXX39H	NA	Ph.D	Bangalore University	Mobile and Cloud Computing	30/08/2018	6.8	Assistant Professor	Associate Professor	18/02/2021	Regular	Yes		Yes

26	Pradeep Kumar G M	XXXXXXXX10N	NA	M.Tech	Visvesvaraya Technological University, Belagavi	Communication Network	16/11/2023	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
27	Dr.Shanmuga Sundaram	XXXXXXXX99E	NA	Ph.D	Bharathiyar University	Mobile and Cloud Computing	04/10/2023	1.3	Assistant Professor	Assistant Professor		Regular	No	27/01/2025	No
28	Dr. Chandrashekar B N	XXXXXXXX03B	NA	Ph.D	VTU Belagavi	Image Processing	01/12/2022	1.2	Assistant Professor	Assistant Professor		Regular	No	29/02/2024	No

**C2. Student-Faculty Ratio (SFR)**

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

UG1=1st UG program

UGn=nth UG program

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

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

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

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

PG1=1st PG program.

PGm=mth PG program

**A**= No. of Students in PG 1st year

**B**= No. of Students in PG 2nd year

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

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

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

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

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

No. of UG Programs in the Department2 No. of PG Programs in the Department2

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

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1.B	264	198	198
UG1.C	198	198	198
UG1.D	198	198	198
<b>UG1: Information Science &amp; Engineering</b>	<b>660</b>	<b>594</b>	<b>594</b>
UG2.B	264	198	198
UG2.C	198	198	198
UG2.D	198	198	198
<b>UG2: Computer Science and Engineering</b>	<b>660</b>	<b>594</b>	<b>594</b>
UG3.B	198	132	66
UG3.C	132	66	63
UG3.D	66	63	60
<b>UG3: Artificial Intelligence and Machine Learning</b>	<b>396</b>	<b>261</b>	<b>189</b>

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG4.B	66	0	0
UG4.C	0	0	0
UG4.D	0	0	0
<b>UG4: Computer Science and Business System</b>	<b>66</b>	<b>0</b>	<b>0</b>
PG1.A	18	18	18
PG1.B	18	18	18
<b>PG1: Computer Science and Engineering</b>	<b>36</b>	<b>36</b>	<b>36</b>
PG2.A	18	18	18
PG2.B	18	18	0
<b>PG2: Cyber Security</b>	<b>36</b>	<b>36</b>	<b>18</b>
DS=Total no. of students in all UG and PG programs in the Department	1392	1260	1242
AS=Total no. of students of all UG and PG programs in allied departments	462	261	189
S=Total no. of students in the Department (DS) and allied departments (AS)	<b>S1= 1854</b>	<b>S2= 1521</b>	<b>S3= 1431</b>
DF=Total no. of faculty members in the Department	81	60	59
AF= Total no. of faculty members in the allied Departments	22	10	8
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	<b>F1= 103</b>	<b>F2= 70</b>	<b>F3= 67</b>
FF=The faculty members in F who have a 100% teaching load in the first-year courses	7	5	4
Student Faculty Ratio (SFR)=S/(F-FF)	<b>SFR1= 19.31</b>	<b>SFR2= 23.40</b>	<b>SFR3= 22.71</b>
Average SFR for 3 years	<b>SFR= 21.81</b>		

### 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	$FQ = 2.5 \times [(10X + 4Y) / RF]$
2024-25(CAY)	56	47	59.00	31.69
2023-24(CAYm1)	50	20	46.00	31.52
2022-23(CAYm2)	41	25	41.00	31.10

### 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
2024-25	6.00	12.00	13.00	22.00	39.00	69.00
2023-24	5.00	10.00	10.00	13.00	30.00	47.00
2022-23	4.00	8.00	9.00	16.00	27.00	43.00
Average	RF1=5.00	AF1=10.00	RF2=10.67	AF2=17.00	RF2=32.00	AF2=53.00

**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	Manager	Bioneds	Biology for Engineers	50.00
2	Smt.Smitha Karthik	Software Engineer	scelstream	Music	26.00
3	smt.Sneha shree Naveen Kumar	Music Teacher	Krishna Gana sudha Sageetha shale	Music	26.00

(CAYm2)

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mrs.Aparna Katti	Music Teacher	SAPA Music Center	Music	26.00

**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	67	38	37
2	No. of peer reviewed conference papers published	52	43	53
3	No. of books/book chapters published	26	19	7

**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 Durga Bhavani A		CSE	Pressure Ulcer Prediction and Prevention	VTU	6 months	0.05
						Amount received (Rs.):0.05

## (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 Durga Bhavani A		CSE	Pressure Ulcer Prediction and Prevention	VTU	6 months	0.05
Mr. Jagadish P		CSE	Morse Code Interpretation From Blinking	VTU	6 months	0.05
Ambika G N		CSE	S.R.A.M (Smart Robotic Arm Manipulator)	VTU	6 months	0.05
						Amount received (Rs.):0.15

## (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. Srivani P		CSE	Virtual Reality-Based Rural Education For Immersive Learning Experience	KSCST	6 months	0.05
						Amount received (Rs.):0.05

**Total Amount (Lacs) Received for the Past 3 Years: 0.25**

**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 Shankar R	NA	CSE	RPA microsoft power automate consulting	Technodysis	17	340000.00
						Amount received (Rs.):340000.00

## (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. Satish Kumar	na	CSE	Embedded C Training	Cisco	2	14000.00
Dr Satish Kumar T	na	CSE	RTOS Training	Mindtree	5	25000.00
Dr. Satish Kumar T	na	CSE	RTOS and Embedded Programming	Aprameyah Technologies Pvt. Ltd.	5	50000.00
Dr. Mahesh G	na	CSE	RTOS and Embedded Programming	Aprameyah Technologies Pvt. Ltd.	5	40000.00
						Amount received (Rs.):129000.00

**Total amount (Lacs) received for the past 3 years: 469000.00**

**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 Dhanalakshmi BK & Dr LAKshmi B N	crab style wheelchair	1yr	15000.00	15000.00	Prototype
Dr. Ambika G.N	Robotic arm	1yr	25000.00	25000.00	Patent is published
			Amount received (Rs.): 40000.00		

(CAYm2)

(CAYm3)

**Total amount (Lacs) received for the past 3 years : 40000.00**

## 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	LAB-CR-306 [Aryabhata Lab]	35	Computers with i7 Processor 1 TB GB hard Disk 512 GB SSD 32 GB RAM 12th Generation, USB Keyboard and Mouse, 24" HP Monitor, LAN Switch, 22 No. 40	30 hours	Mr. P. Ashok Kumar	Instructor	Diploma in CSE

2	LAB-TR-310 [ Ratan Tata Laboratory]	35	Computers with i7 Processor 1 TB hard Disk 32 GB RAM 256GB SSD 12th Generation LAN Switch :48 port switch (Modifiable) Make: Extreme Desktop: Optima	20 hours	Mr. Liju C	Assistant Instructor	Diploma in CSE
3	411-A Lab Block	35	Computers with i7 Processor 16 GB RAM 512GB SSD 14th Generation LAN Switch :48 port switch (Modifiable) Make: Extreme Desktop: Optima	30 hours	Mr. Srinivas Murthy B	Instructor	BE in Telecommunication
4	411-B Lab Block	35	Computers with i7 Processor 16 GB RAM 512GB SSD 14th Generation LAN Switch :48 port switch (Modifiable) Make: Extreme Desktop: Optima	30hours	Mr. Radhakrishna G K	Assistant Instructor	BE. in CSE
5	411-C Lab Block	35	Computers with i7 Processor 16 GB RAM 512GB SSD 14th Generation LAN Switch :48 port switch (Modifiable) Make: Extreme Desktop: Optima	20 hours	Mr. Ram Mohan S	Assistant Instructor	BE. in CSE
6	410 [Kalpana Chawla Programming Lab] Lab Block	35	Computers with i7/i5 Processor 16/32 GB RAM 256GB SSD 1TB HDD 14th Generation LAN Switch :48 port switch (Modifiable) Make: Extreme Desktop: Optima	10 hours	Mrs.Rosemary K Rappai	Assistant Instructor	BE. in CSE
7	511-A Lab Block	35	Computers with i7 Processor 16 GB RAM 512GB SSD 14th Generation LAN Switch :48 port switch (Modifiable) Make: Extreme Desktop: Optima	28 hours	Mr. Raju T	Assistant Instructor	BE. in CSE
8	511-B Lab Block	35	Computers with i5 Processor 16 GB RAM 512GB SSD 14th Generation LAN Switch :48 port switch (Modifiable) Make: Extreme Desktop: Optima	30 hours	Mr. Punit Dodamani	Assistant Instructor	BE. in CSE
9	BSN-CR-306 [GUIDO VAN ROSSUM LAB]	35	HP MICRO TOWER PRODESK 400G7 Desktop 37 NO'S - Intel Core i7- 10th Generation,2.90 GHz,16 GB RAM,4TB HDD, 1TB Keypad, Optical Drive, Monitor	30 hours	Mr. Shivaprasad Honnata	Assistant Instructor	Diploma in CSE
10	BSN-CR-307 [ TIM BERNERS LEE LABORATORY ]	35	Intel Core i7-4th Gen.3.60Ghz Processor,4GB Ram,1TB HDD, LED Monitor, Optical Drive, Keyboard Mouse, Intel Core i7-4th Gen.3.60Ghz Processor,4GB Ram,1TB HDD, LED Monitor, Optical Drive, Keyboard Mouse	30 hours	Mr. Adinarayana Reddy	Instructor	Diploma in Computer Scie
11	BSN-CR-308 [ LINUS TORVALDS LABORATORY ]	35	Intel Core i7-4th Gen.3.60Ghz Processor,4GB Ram,1TB HDD, LED Monitor, Optical Drive, Keyboard Mouse, QHD 27th 144hz 600 CD Intel i7-80 GB DDR4	30 hours	Mrs. Ragini T N	Supervisor	Diploma in Computer Scie
12	BSN-CR-415 [ ALAN TURING LAB ]	35	Intel Core i7-12th Gen 2.10Ghz rocessor,32GB Ram,1TB (Mech)and 512GB SSD Hard disk, LED Monitor,Optical Drive, Keyboard Mouse, Intel®	30 hours	Mrs. Bhagya	Instructor	Diploma in Computer Scie
13	A-405 [SHAKUNTHALA DEVI LABORATORY]	35	Dell Optiplex-5070mt: Intel® Core™ i7-9700 Cpu@3.7ghz To 4.7ghz, Q370 Chipset Mother Board, 4GB DDR4 Ram, 4TB Hard Disk, 20" Led Monitor	30 hours	Mr. Murari Srinath	Assistant Instructor	Diploma in Civil
14	511-C Lab Block	35	Computers with i5 Processor 16 GB RAM 512GB SSD 14th Generation LAN Switch :82 port switch (Modifiable) Make: Extreme Desktop: Optima	30 hours	Mrs. Kavya R	Assistant Instructor	B.E in ECE
15	BSN-CR-401	18	Computers with i5 Processor 16 GB RAM 512GB SSD 14th Generation LAN Switch :82 port switch (Modifiable) Make: Extreme Desktop: Optima	20 hours	Mr. Vishwananth Desai	Assistant Instructor	B.E in CSE

## D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
--------	-----------------	-----------------

1	<div> <div>LAB-306 [Aryabhata Lab]</div> <div>Lab-TR-310 [Ratan Tata Lab]</div> <div>411-A</div> <div>411-B</div> </div>	<p>1. Electrical Safety – All systems are connected to a UPS ensuring uninterruptible power supply to prevent data loss and equipment damage. Also, periodic checks are done for exposed wires, and faulty plugs. 2. Fire Safety – Dry powder extinguishers are installed near the lab entrance for fire safety. 3. Equipment Safety – CCTV cameras are installed in all labs for monitoring the lab to deter misuse or theft. 4. Cyber Safety – All systems have login credentials and admin restrictions to prevent unauthorised access. Also, Computers have windows defender to detect, prevent, and remove malicious software such as viruses, worms, trojans, and spyware. Permission is denied for pen drives. 5. Ergonomic and Physical Safety – All labs have ergonomic chairs and desks helping students to spend long hours in lab comfortably. The labs are well-lit to reduce eye strain. All labs have good airflow and temperature control to prevent overheating. 6. Rules and Supervision – The lab usage guidelines are displayed for safe and responsible computer usage. All labs have a separate instructor to ensure supervision during lab hours. 7. Emergency Preparedness – All labs have a stock of first aid kit for attending minor emergencies immediately. Also, all labs have a master switch (MCB) to cut power in case of emergency.</p>
2	<div> <div>BSN-CR-306</div> <div>[GUIDO VAN ROSSUM LAB]</div> <div>BSN-CR-307</div> <div>[TIM BERNERS LEE LABORATORY ]</div> </div>	<p>1. Electrical Safety – All systems are connected to a UPS ensuring uninterruptible power supply to prevent data loss and equipment damage. Also, periodic checks are done for exposed wires, and faulty plugs. 2. Fire Safety – Dry powder extinguishers are installed near the lab entrance for fire safety. 3. Equipment Safety – CCTV cameras are installed in all labs for monitoring the lab to deter misuse or theft. 4. Cyber Safety – All systems have login credentials and admin restrictions to prevent unauthorised access. Also, Computers have windows defender to detect, prevent, and remove malicious software such as viruses, worms, trojans, and spyware. Permission is denied for pen drives. 5. Ergonomic and Physical Safety – All labs have ergonomic chairs and desks helping students to spend long hours in lab comfortably. The labs are well-lit to reduce eye strain. All labs have good airflow and temperature control to prevent overheating. 6. Rules and Supervision – The lab usage guidelines are displayed for safe and responsible computer usage. All labs have a separate instructor to ensure supervision during lab hours. 7. Emergency Preparedness – All labs have a stock of first aid kit for attending minor emergencies immediately. Also, all labs have a master switch (MCB) to cut power in case of emergency.</p>

### D3. Project Laboratory/Research Laboratory

## Centre of Excellence

Sl.No	Name of COE
1	Centre of Excellence under ICT Academy membership
2	Centre of excellence for drones and UAV and E-yantra
3	SISA centre of Excellence
4	NVIDIA Center of Excellence

## Projects/Research Laboratory/COE

Sl.No	Name of the Facility	Specialized Equipment Name	Equipment details	Utilization details from the perspective of PO attainment
1	Eyantra Lab	Microcontroller boards with sensors to enable the faculty and students to do their projects	Fire bird V,ESP32 Development board Raspberry PI,LPC2148 Development Board,Atmega2560 development board,Spark V,P89V51RD2 Development Board,ESP8266 Development Board,Altera Cyclone IV FPGA , DE0-Nano	Ongoing Projects: Smart stranger alert system using AI. Automated Voice controlled Robotic arm.
2	Aarohan Lab	Workspace is provided to enable faculty and students to do their projects. LCD projectors/Blackboard /working tables are provided	Servo motor, XBee USB adaptor, SNS – 103 soil NPK sensor, ULTRASONIC SENSOR - HCSR04, 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: Robotic Aerial and Planetary Terrain Operation Rover (RAPTOR) Smart footwear system for visually impaired community Crab Style Wheelchair Solar Power Floating Waste Cleaner for Small Water Bodies Ultrasonic Parametric Acoustic Array (USPA) Development of food quality monitoring labels/ stickers Smart Perfume Dispensary based on smell
3	SISA centre of Excellence - SISA (Information Security Services and Solutions)	PCI DSS, AI sandbox for solution delivery, Cysec Tools- open source tools for solution development	Dedicated space for SISAs Center of Excellence (COE) within its campus, accommodating 10-15 seats. This area will include CCTV surveillance, access control, and high-speed internet to ensure a secure and efficient work environment.	21 students were trained on cyber security solution development with AI powered  All of them got placed in SISA company

Sl.No	Name of the Facility	Specialized Equipment Name	Equipment details	Utilization details from the perspective of PO attainment
4	ARVR Lab	Advanced setup with AMD Ryzen workstation and Oculus Quest 2 for immersive simulations	<p>AMWIN GPU Desktop:</p> <ul style="list-style-type: none"> <li>- 1 x AMD® B650 Chipset and AM5 Socket based WS Motherboard with 4 Memory DIMMs (Max. 128GB RAM)</li> <li>- 1 x AMD Ryzen™ 9 7900X Processor (12Cores / 24Threads / 4.7GHz / 64MB L3 Cache / 170W)</li> <li>- 1 x Liquid-Cooler 240 for Processor</li> <li>- 1 x 32GB DDR5 5200MHz = 32GB RAM</li> <li>- 1 x 500GB NVMe M.2 SSD</li> <li>- 1 x Nvidia GeForce RTX 4060 (8GB) Graphic Card</li> <li>- 1 x ATX/Mid-Tower Chassis (with Fans)</li> <li>- 1 x 750W Power Supply Unit with 80+ Bronze</li> <li>- 1 x USB Keyboard &amp; Mouse</li> <li>- 1 x Windows 10/11 Professional - OEM Pack</li> </ul> <p>Meta Quest 2 Advanced All-in-One VR Headset, 2 x Touch Controller, Charging Cable, 2 x AA Battery, Power Adapter, Glasses Spacer, Silicone Cover</p>	<p>Workshops and trainings with Industry experts and Academician.</p> <p>Industry collaborations with Rayvector Technologies, VyVoxel India Pvt. Ltd., and META &amp; 1M1B (AICTE Partner) with 5 students getting internship in Rayvector Technologies and 1 in 1M1B and 1 student in VyVoxel India Pvt. Ltd.</p> <p>2 Faculties and 18 students trained by VyVoxel India Pvt. Ltd., in Unity VR Development with C# programming.</p>
5	IT Cell	In order to support its employees and students with best IT infrastructure, BMSIT&M has established one of its the best, robust network infrastructure in 2019-2020 to facilitate reliable and high speed internet service to both Students, Faculty and Researchers at the campus and BMSIT&M Hostels.	<p>Both wired and Wi-Fi Internet facility is available in all the buildings of the BMSIT&amp;M with OFC connectivity. All Laboratories in the campus have LAN connectivity.</p> <p>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.</p> <p>BMSIT&amp;M has set up its own DATACENTER with all advanced equipment like UTM, Core switch, advanced WIFI</p> <p>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</p>	<p>Bandwidth Allocation: Each user is allocated up to 100 Mbps, dynamically shared depending on network load.</p> <p>Access Points: Wi-Fi is distributed via numerous access points across academic and hostel blocks, ensuring uninterrupted connectivity.</p> <p>Peak Usage Times: Monitored by the IT Cell using UTM dashboards to optimize performance and ensure quality of service during high-demand hours (e.g., during online labs, hackathons, or exams).</p> <p>User Engagement: On average, 90% of students and faculty actively utilize the network for academic purposes, including access to LMS, digital libraries, coding platforms, and collaborative tools.</p>
6	510 [Lab Block]	Workspace is provided to enable faculty and students to do their projects. LCD projectors/Blackboard /working tables are provided	<p><b>Computers</b> with i5 Processor</p> <p>16 GB RAM</p> <p>512GB SSD</p> <p><b>14<sup>th</sup> Generation</b></p> <p><b>LAN Switch</b> :48 port switch (Manageable), Make: Extreme</p> <p><b>Projector:</b> Optoma Projector.</p>	Utilized by students for executing minor/major/SIH projects involving programming, software development, and tool integration.
7	NVIDIA CoE	State of the art NVIDIA Sever to meet the needs of students and faculty members for high performance computing.	NVIDIA DGX A100	Student and Faculty Projects and Consultancy work

Centre of Excellence under ICT Academy membership

Details:

Title: CISCO – Programming Essentials in Python course

Dates: 19-21, June 2024

Timings: 9 am to 4 pm

Instructor Led Classes - 16 Hours (03 Days)

Assessment & Certification - 02 Hours

Total Duration - 18 hours

Resource Person: Mr. Vijaya Murugan, ICT Academy, Chennai.

Registered students: 106



## 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
<b>Total</b>	<b>1160382916</b>	<b>958141472</b>	<b>769869791</b>	<b>960484081</b>	<b>668680474</b>	<b>731325901</b>	<b>538444893</b>	<b>566516322</b>

### 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	32050000	19756291	1300000	1139000	1800000	1793170	250000	237500
Software	1500000	1862447	1700000	1200960	1400000	1200960	1400000	1140000
SDGs	300000	313443	100000	72441	50000	16460	0	0
Support for faculty development	150000	87829	150000	112470	150000	165779	150000	155938
R & D	200000	177272	200000	79200	200000	71326	200000	58886
Industrial Training, Industry expert, Internship	200000	193043	100000	100200	100000	71500	100000	31210
BoS and others	60000	52000	60000	51000	60000	50500	50000	45000
<b>Total</b>	<b>34460000</b>	<b>22442325</b>	<b>3610000</b>	<b>2755271</b>	<b>3760000</b>	<b>3369695</b>	<b>2150000</b>	<b>1668534</b>