

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 : 12218	Date of Submission : 01-10-2026

PART A- Profile of the Institute

A1.Name of the Institute : Sahyadri College of Engineering & Management	
Year of Establishment : 2007	Location of the Institute: Mangaluru
A2. Institute Address :Sahyadri College of Engineering & Management, Adyar, Managluru -575007	
City:Dakshina Kannada	State:Karnataka
Pin Code:575007	Website:www.sahyadri.edu.in
Email:principal@sahyadri.edu.in	Phone No(with STD Code):0824-2277222
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Visvesvaraya Technological University Bleagavi	City: Belgaum
State : Karnataka	Pin Code: 590018
A4. Type of the Institution : Autonomous CAY(2021-22)	
A5. Ownership Status : Self financing	

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

- No. of UG programs: **12**
- 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	UG	BCA	2026	--	Computer Application
2	Computer Application	PG	Master of Computer Application	2026	--	Computer Application
3	Engineering & Technology	UG	Artificial Intelligence and Data Science	2021	2022	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
4	Engineering & Technology	UG	Computer Science and Engineering	2007	--	Computer Science and Engineering
5	Engineering & Technology	PG	Computer Science and Engineering	2022	--	Computer Science and Engineering
6	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2020	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
7	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2021	2022	Computer Science and Engineering
8	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2020	2023	Computer Science and Engineering (Artificial Intelligence and Machine Learning)

9	Engineering & Technology	UG	Electronics & Communication Engineering	2007	--	Electronics and Communication Engineering
10	Engineering & Technology	UG	Electronics and Computer Engineering	2026	--	Electronics and Communication Engineering
11	Engineering & Technology	UG	Information Science & Engineering	2007	--	Information Science and Engineering
12	Engineering & Technology	UG	Mechanical Engineering	2007	--	Mechanical Engineering
13	Engineering & Technology	UG	Robotics and Automation	2021	--	Mechanical Engineering
14	Engineering & Technology	PG	VLSI Design and Embedded System	2026	--	Electronics and Communication Engineering
15	Management	UG	Bachelor of Business Administration	2026	--	Management
16	Management	PG	Master of Business Administration	2008	--	Management

A7. Programs to be considered for Accreditation vide this Application:

Table No. A7.1: List of programs to be considered for accreditation.

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Electronics and Communication Engineering	No	Electronics and Computer 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	PROGRAM DURATION
1	Electronics & Communication Engineering	UG	2007 / --	60	Yes	2022	120	2022	South-West/1-10973518558/2022/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	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	PROGRAM DURATION														
Sanctioned Intake for Last Five Years for the Electronics & Communication Engineering <table><thead><tr><th>Academic Year</th><th>Sanctioned Intake</th></tr></thead><tbody><tr><td>2026-27</td><td>120</td></tr><tr><td>2025-26</td><td>120</td></tr><tr><td>2024-25</td><td>120</td></tr><tr><td>2023-24</td><td>120</td></tr><tr><td>2022-23</td><td>120</td></tr><tr><td>2021-22</td><td>90</td></tr></tbody></table>															Academic Year	Sanctioned Intake	2026-27	120	2025-26	120	2024-25	120	2023-24	120	2022-23	120	2021-22	90
Academic Year	Sanctioned Intake																											
2026-27	120																											
2025-26	120																											
2024-25	120																											
2023-24	120																											
2022-23	120																											
2021-22	90																											
2	Electronics and Computer Engineering	UG	2026 / --	60	No	NA	60	2026	South-West/1-46268346874/2026/EOA	Not eligible for accreditation	--	--	0	4														

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 :	ANUSH BEKAL
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)	2026-27 (CAY)	2025-26 (CAYm1)	2024-25 (CAYm2)	2023-24 (CAYm3)	2022-23 (CAYm4)	2021-22 (CAYm5)	2020-21 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	120	120	120	120	120	90	120
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	120	119	120	118	120	86	104
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	11	12	12	12	9	3
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	6	6	6	6	6	4	6
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	126	136	138	136	138	99	113

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]
2026-27 (CAY)	120	120	6	105.00
2025-26 (CAYm1)	120	119	6	104.17
2024-25 (CAYm2)	120	120	6	105.00

Average [(ER1 + ER2 + ER3) / 3] = 104.72≅ 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	(2022-23) LYG	(2021-22) LYGm1	(2020-21) 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).	138.00	99.00	123.00
B=No. of students who graduated from the program in the stipulated course duration	116.00	84.00	102.00
Success Rate (SR)= (B/A) * 100	84.06	84.85	82.93

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 83.95

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(2025-26)	CAYm2(2024-25)	CAYm3 (2023-24)
Mean of CGPA or mean percentage of all successful students(X)	7.80	7.26	7.69
Y=Total no. of successful students	120.00	120.00	117.00
Z=Total no. of students appeared in the examination	125.00	126.00	124.00
API [X*(Y/Z)]	7.49	6.91	7.26

Average API[(AP1+AP2+AP3)/3] : 7.22

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 (2025-26)	CAYm2 (2024-25)	CAYm3 (2023-24)
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)	7.05	6.64	7.41
Y=Total no. of successful students	127.00	126.00	136.00
Z=Total no. of students appeared in the examination	132.00	129.00	136.00
API [X * (Y/Z)]	6.78	6.49	7.41

Average API [(AP1 + AP2 + AP3)/3] : 6.89

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 (2025-26)	CAYm2 (2024-25)	CAYm3 (2023-24)
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)	7.65	7.61	7.12
Y=Total no. of successful students	126.00	133.00	96.00

Z=Total no. of students appeared in the examination	126.00	136.00	98.00
API [$X*(Y/Z)$]:	7.65	7.44	6.97

Average API [(AP1 + AP2 + AP3)/3] : 7.35

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2022-23)	LYGm1(2021-22)	LYGm2(2020-21)
FS*=Total no. of final year students	138.00	99.00	123.00
X=No. of students placed	98.00	75.00	108.00
Y=No. of students admitted to higher studies	3.00	4.00	8.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$:	73.19	79.80	94.31

Average Placement Index = (P_1 + P_2 + P_3)/3: 82.43 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	ANUSH BEKAL	XXXXXXX71N	Ph.D	INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, ALLAHABAD (IIIT-A)	MICRO ELECTRONICS	15/01/2013	13.8	Assistant Professor	Professor	01/08/2025	Regular	Yes		Yes
2	B G SHEEPARAMATTI	XXXXXXX65Q	Ph.D	KARNATAKA UNIVERSITY DHARWAD	MEMS	01/08/2023	3.2	Professor	Professor		Regular	Yes		No
3	PRIYATAMKUMAR	XXXXXXX77K	Ph.D	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	COMMUNICATION	01/08/2026	0.2	Professor	Professor		Regular	Yes		No
4	CHANDANA B R	XXXXXXX16P	Ph.D	MANGALORE UNIVERSITY	OPTICAL COMMUNICATION AND NETWORKS	01/06/2023	3.4	Associate Professor	Associate Professor		Regular	Yes		No

5	ROOPASHREE	XXXXXXXX93C	Ph.D	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	BIOMEDICAL IMAGE PROCESSING	04/08/2008	18.2	Lecturer	Associate Professor	01/08/2025	Regular	Yes		No
6	NISHA	XXXXXXXX17C	Ph.D	INDIAN INSTITUTE OF SPACE SCIENCE AND TECHNOLOGY	MOS GAS SENSORS	09/07/2013	13.2	Lecturer	Associate Professor	01/08/2025	Regular	Yes		No
7	PRAMEELA N S	XXXXXXXX05F	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	DIGITAL ELECTRONICS & COMMUNICATION	01/08/2022	4.2	Assistant Professor	Assistant Professor		Regular	Yes		No
8	ASHWIN KUMAR S K	XXXXXXXX28Q	MS	MANIPAL UNIVERSITY	VLSI -CAD	23/01/2012	14.8	Assistant Professor	Assistant Professor		Regular	Yes		No
9	PAVANALAXMI	XXXXXXXX33K	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	DIGITAL COMMUNICATION & NETWORKING	01/07/2013	13.3	Assistant Professor	Assistant Professor		Regular	Yes		No
10	SMITHA A B	XXXXXXXX77A	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	VLSI DESIGN AND EMBEDDED SYSTEMS	01/03/2018	8.7	Assistant Professor	Assistant Professor		Regular	Yes		No
11	MEHNAZ FATHIMA C	XXXXXXXX89L	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	VLSI DESIGN AND EMBEDDED SYSTEMS	01/08/2022	4.2	Assistant Professor	Assistant Professor		Regular	Yes		No
12	ABHISHEK A B	XXXXXXXX63R	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	DIGITAL ELECTRONICS AND COMMUNICATION SYSTEMS	01/01/2024	2.9	Assistant Professor	Assistant Professor		Regular	Yes		No
13	KRIPA	XXXXXXXX21J	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	DIGITAL ELECTRONICS AND COMMUNICATION	24/04/2023	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
14	ASWATHY K SARMA	XXXXXXXX23L	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	02/06/2025	1.3	Assistant Professor	Assistant Professor		Regular	Yes		No
15	PAVITHRA	XXXXXXXX35L	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	VLSI DESIGN AND EMBEDDED SYSTEMS	14/07/2025	1.2	Assistant Professor	Assistant Professor		Regular	Yes		No
16	CHAITHRIKA ADITYA	XXXXXXXX71R	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	DIGITAL ELECTRONICS & COMMUNICATION SYSTEMS	01/07/2025	1.3	Assistant Professor	Assistant Professor		Regular	Yes		No

17	JOHNSON TELLIS	XXXXXXXX85P	MS	MOSCOW	NEURAL NETWORKING & NEURAL COMPUTERS	01/08/2017	9.2	Assistant Professor	Assistant Professor		Regular	Yes		No
18	BASAVARAJ	XXXXXXXX60D	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	DIGITAL ELECTRONICS & COMMUNICATION SYSTEMS	04/08/2025	1.1	Assistant Professor	Assistant Professor		Regular	Yes		No
19	REVANSIDDAYYA KALLIMATH	XXXXXXXX22E	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	VLSI DESIGN AND EMBEDDED SYSTEMS	14/07/2025	1.2	Assistant Professor	Assistant Professor		Regular	Yes		No
20	SANATH KUMAR	XXXXXXXX46F	M.Tech	MAHE MANIPAL	DIGITAL ELECTRONICS AND COMMUNICATION ENGINEERING	06/04/2026	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
21	NAGENDRA D R	XXXXXXXX18N	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	DIGITAL ELECTRONICS AND COMMUNICATION	18/06/2026	0.3	Assistant Professor	Assistant Professor		Regular	Yes		No
22	ARCHANA CHINMAY	XXXXXXXX92L	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	DIGITAL ELECTRONICS	06/07/2026	0.2	Assistant Professor	Assistant Professor		Regular	Yes		No
23	PADMINI BHAT	XXXXXXXX81E	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	DIGITAL ELECTRONICS & COMMUNICATION	03/08/2026	0.1	Assistant Professor	Assistant Professor		Regular	Yes		No
24	MEGHA N	XXXXXXXX21F	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	VLSI DESIGN & EMBEDDED SYSTEMS	15/09/2014	12	Assistant Professor	Assistant Professor		Regular	Yes		No
25	BABITHA	XXXXXXXX70N	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	INDUSTRIAL AUTOMATION AND ROBOTICS	01/08/2022	4.2	Assistant Professor	Assistant Professor		Regular	Yes		No
26	REKHA M B	XXXXXXXX25C	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	ENERGY SYSTEMS ENGINEERING	26/08/2024	2.1	Assistant Professor	Assistant Professor		Regular	Yes		No
27	MRANILA P	XXXXXXXX59F	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	DIGITAL ELECTRONICS & COMMUNICATION SYSTEMS	01/08/2025	1.2	Assistant Professor	Assistant Professor		Regular	Yes		No

28	SRI HARIPRIYA RAI N	XXXXXXXX99P	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	DIGITAL COMMUNICATION ENGINEERING	24/04/2025	1.1	Assistant Professor	Assistant Professor		Regular	No	30/05/2026	No
29	SACHIN C N SHETTY	XXXXXXXX41E	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	DIGITAL ELECTRONICS & COMMUNICATION SYSTEMS	12/07/2013	11.9	Assistant Professor	Assistant Professor		Regular	No	30/04/2025	No
30	PRAVEEN KUMAR M	XXXXXXXX13H	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	DIGITAL ELECTRONICS & COMMUNICATION SYSTEMS	02/07/2015	9.11	Assistant Professor	Assistant Professor		Regular	No	05/06/2025	No
31	PATEEL G P	XXXXXXXX80B	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	DIGITAL COMMUNICATION AND NETWORKING	02/07/2019	5.9	Assistant Professor	Assistant Professor		Regular	No	30/04/2025	No
32	NAVEEN KUMAR S	XXXXXXXX83R	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	AUTOMOTIVE ELECTRONICS	21/12/2020	4.4	Assistant Professor	Assistant Professor		Regular	No	30/04/2025	No
33	ASHOKA A	XXXXXXXX77Q	M.Tech	JAIN UNIVERSITY BENGALURU	SIGNAL PROCESSING AND VLSI	13/04/2023	2.2	Assistant Professor	Assistant Professor		Regular	No	24/06/2025	No
34	SUMIKSHA SHETTY	XXXXXXXX47R	M.Tech	VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI	VLSI DESIGN & EMBEDDED SYSTEMS	17/01/2020	5.5	Assistant Professor	Assistant Professor		Regular	No	24/06/2025	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 yearStudent 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 Department1

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

Description	CAY(2026-27)	CAYm1 (2025-26)	CAYm2 (2024-25)
UG1.B	0	0	0
UG1.C	0	0	0
UG1.D	0	0	0
UG1: Electronics and Computer Engineering	0	0	0
UG2.B	132	132	132
UG2.C	132	132	132
UG2.D	132	132	99
UG2: Electronics & Communication Engineering	396	396	363
PG1.A	18	0	0
PG1.B	0	0	0
PG1: VLSI Design and Embedded System	18	0	0
DS=Total no. of students in all UG and PG programs in the Department	414	396	363
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= 414	S2= 396	S3= 363
DF=Total no. of faculty members in the Department	27	23	22
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= 27	F2= 23	F3= 22
FF=The faculty members in F who have a 100% teaching load in the first-year courses	5	4	4
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 18.82	SFR2= 20.84	SFR3= 20.17
Average SFR for 3 years	SFR= 19.94		

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 = $2.5 \times [(10X + 4Y) / RF]$
2026-27(CAY)	6	21	20.00	18.00
2025-26(CAYm1)	5	18	19.00	16.05
2024-25(CAYm2)	4	18	18.00	15.56

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
2026-27	2.00	3.00	5.00	3.00	14.00	21.00
2025-26	2.00	2.00	4.00	3.00	13.00	18.00
2024-25	2.00	1.00	4.00	2.00	12.00	19.00
Average	RF1=2.00	AF1=2.00	RF2=4.33	AF2=2.67	RF2=13.00	AF2=19.33

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. K B Chandrashekar	Embedded Systems Program Mentor	Technical Career Education Pvt Ltd. SCEM Campus, Adyar	Electronic System Design and Prototyping-1	66.00
2	Mr. Vineeth Rai K	Faculty Incharge - Electronic System Design and Prototyping-2	Technical Career Education Pvt Ltd. SCEM Campus, Adyar	Electronic System Design and Prototyping-1	38.00
3	Mr. K B Chandrashekar	Embedded Systems Program Mentor	Technical Career Education Pvt Ltd. SCEM Campus, Adyar	Embedded System-1	30.00
4	Mr. Vineeth Rai K	Faculty Incharge - Electronic System Design and Prototyping-2	Technical Career Education Pvt Ltd. SCEM Campus, Adyar	Embedded System-1	30.00
5	Mr. K B Chandrashekar	Embedded Systems Program Mentor	Technical Career Education Pvt Ltd. SCEM Campus, Adyar	Embedded System Design Using Microcontrollers and Peripheral Integration 01	48.00
6	Mr. Vineeth Rai K	Faculty Incharge - Electronic System Design and Prototyping-2	Technical Career Education Pvt Ltd. SCEM Campus, Adyar	Electronic System Design and Prototyping-2	48.00
7	Mr. K B Chandrashekar	Embedded Systems Program Mentor	Technical Career Education Pvt Ltd. SCEM Campus, Adyar	Embedded System-2	24.00
8	Mr. Vineeth Rai K	Faculty Incharge - Electronic System Design and Prototyping-2	Technical Career Education Pvt Ltd. SCEM Campus, Adyar	Embedded System-2	24.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Akhiljith Gigi	IoT Facilitator	Technical Career Education Pvt Ltd. SCEM Campus, Adyar	Internet of Things 01	60.00
2	Ms. Medini B V	Senior Embedded System Facilitator	Technical Career Education Pvt Ltd. SCEM Campus, Adyar	Embedded Systems 01	60.00
3	Mr. Akhiljith Gigi	IoT Facilitator	Technical Career Education Pvt Ltd. SCEM Campus, Adyar	Internet of Things 02	60.00
4	Ms. Medini B V	Senior Embedded System Facilitator	Technical Career Education Pvt Ltd. SCEM Campus, Adyar	Embedded Systems 02	60.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms. Saksha S Bhandary	Program Designer & IoT Facilitator	Technical Career Education Pvt Ltd. SCEM Campus, Adyar	Internet of Things	60.00
2	Mr. Ajay V Kamath	IoT Assistant Facilitator	Technical Career Education Pvt Ltd. SCEM Campus, Adyar	Robotics	60.00
3	Mr. Akhiljith Gigi	IoT Facilitator	Technical Career Education Pvt Ltd. SCEM Campus, Adyar	Internet of Things - 02	60.00
4	Mr. Shubham Nandi	Co-Founder	RigBetel Labs	Robotics Bootcamp	24.00
5	Mr. Dhanush Shettigar	Lead Developer	Dream Tech Innovation Pvt. Ltd	Robotics Bootcamp	24.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2025-26 (CAYm1)	2024-25 (CAYm2)	2023-24 (CAYm3)
1	No. of peer reviewed journal papers published	0	1	2
2	No. of peer reviewed conference papers published	12	17	17
3	No. of books/book chapters published	2	15	16

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
Mr. Johnson Tellis	Dr. Anush Bekal Ms. Kripa	ECE	Establishment and Development of Connected systems and IoT Lab	Mphasis	1 Year	13.20
Dr. Anush Bekal	Ms. Smitha A B	ECE	CSR Training Program	ICT Academy	18 Days	0.13
Dr. Nisha	-	ECE	Biomechatronic Smart Wheelchair	KSCST	1 Year	0.05
Mr. Abhishek A B	-	ECE	Affordable Speech-Tobraille Communicator Device For Deafblind Empowerment	KSCST	1 Year	0.05
Ms. Kripa	-	ECE	Design and Development Of A Low-Cost Semiautonomous Arecanut Gathering Machine	KSCST	1 Year	0.06
Ms. Sri Haripriya Rai N	-	ECE	Oil Skimmer BOT Using Nitrile Rubber Conveyor Belt	KSCST	1 Year	0.05
						Amount received (Rs.):13.54

(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
Mr. Johnson Tellis	Mr. Ashok A Ms. Babitha Mr. Chandra Singh Mr. Praveen Kumar M Dr. Nisha Dr. B G Sheeparamatti	ECE	Portable saline water synthesizer and purifier, Enhanced Deforestation Detection with LiDAR-Based Forest Density and Structural Analysis, Design and Implementation of a Modular Multi-Mobility Drone with Real-Time Obstacle Detection and Remote Monitoring for Surveillance and Rescue Operations, Development of an Autonomous Surface Vehicle for Real-Time Aquatic Environment Monitoring and Depth Mapping, Biomechatronic Smart Wheelchair, Drone-Based Real-Time Detection and Precision Spraying System for Areca Nut Yellow Spot Disease	MResult	1 Year	5.00
Mr. Johnson Tellis	Dr. Anush Bekal Dr. Chandana B R Ms. Megha N	ECE	SSTH Projects	Mphasis	1 Year	13.44
Dr. Anush Bekal	Mr. Shreesha Shetty	ECE	Solar powered Vehicle	Cisco, in partnership with nasscom foundation	9 Months	5.00
Dr. Anush Bekal	Ms. Smitha A B	ECE	CSR Training Program	ICT Academy	16 Days	0.25
Ms. Smitha A B	-	ECE	Safemine: Advanced mine helmet with real time gas monitoring and automatic oxygen supply	KSCST	1 Year	0.05
Mr. Praveen Kumar M	-	ECE	Development of an autonomous surface vehicle for real time aquatic environment monitoring and depth mapping	KSCST	1 Year	0.05
Dr. Roopashree	-	ECE	Border identification and Geofencing alert system for fishermen	KSCST	1 Year	0.05
Ms. Smitha AB	-	ECE	Energizeair: Intelligent O2 infusion mechanism for superior indoor air quality	KSCST	1 Year	0.05
Mr. Ashoka A	-	ECE	Portable saline water synthesizer and purifier	KSCST	1 Year	0.05
Mr. Abhishek A B	-	ECE	Mobility assistance for amyotrophic lateral sclerosis using eye gaze tracking	KSCST	1 Year	0.05
						Amount received (Rs.):23.99

(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
Mr. Ashwin Kumar	Mr. Janardhan Swamy	ECE	e-Shravan-Drive Safe aid for deaf	Elevate 100 Startup Karnataka	2 Years	8.82
Dr. Anush Bekal	Ms. Smitha A B	ECE	CSR Training Program	ICT Academy	20 Days	0.13
Dr. Roopashree	-	ECE	Efficient Spraying Machine for Optimising Arecanut Orchard Management	KSCST	1 Year	0.07
Mr. Praveen Kumar M	-	ECE	SONIC FUSION:Advanced Hearing Aid with a Piezoelectric Transducer for Bone Conduction	KSCST	1 Year	0.07
Mr. Chandra Singh, Ms. Smitha A B	-	ECE	Flying High for Health: Design & Implementation of Solar Powered Autonomous VTOL Technology for Medicine Deliveries in Remote and Inaccessible Areas	KSCST	1 Year	0.07
Mr. Chandra Singh, Mr. Ashwin Kumar	-	ECE	Design and development of foldable multipurpose autonomous solar powered E-Trike for differently abled persons	KSCST	1 Year	0.07
Dr. Anush Bekal	-	ECE	Development of hybrid drone integrated with deep learning and CNN for disease identification, GPS- based crop localization and mobile alert system	KSCST	1 Year	0.07
						Amount received (Rs.):9.30

Total Amount (Lacs) Received for the Past 3 Years: 46.83

Note*:

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

C8. Consultancy Work

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

(CAYm1)

(CAYm2)

(CAYm3)

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

Note*:

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

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

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

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
-	-	-	0.00	0.00	-
			Amount received (Rs.): 0.00		

(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. Roopashree	CKD detection in Canines	1 Year	0.50	0.46	One Paper Publication
			Amount received (Rs.): 0.50		

(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
--	-	-	0.00	0.00	-
			Amount received (Rs.): 0.00		

Total amount (Lacs) received for the past 3 years : 0.50

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 Electronics Circuits/ Electronic Device Lab	23	• CRO • DSO • Dual Power Supply • Projector (view sonic)	36	Ms. Pramila Kumari M	Sr. Instructor	Diploma in Electronics and
2	Communication Lab	23	• DSO • Function Generator • Computers • Microwave Test Bench • Antenna Setup 2.2 to 3 GHz •	36	Ms. Pramila Kumari M	Sr. Instructor	Diploma in Electronics and
3	Digital Signal Processing Lab	23	• Computers • Software Specifications • DSP Lab: Octave (GUI) 7.3.0 Opensource Software •	48	Ms. Santhripathi	Assistant Instructor	Diploma in Computer Scie
4	Analysis and Design of Digital Circuits Lab	23	• IC Trainer Kit • Computers • IC Tester Kit	24	Ms. Lavanya	Assistant Instructor	Diploma in Computer Scie
5	ARM Microcontroller/ Embedded Lab	23	• ARM CORTEX 1768- Trainer Kit • Computers	24	Ms. Lavanya	Assistant Instructor	Diploma in Computer Scie

6	Basic Electrical Lab	23	• Auto Transformer • Star and Delta Kit • 3 Phase Wattmeter's • DSO • Function Generator	72	Ms. Seema	Assistant Instructor	Diploma in Electronics and
7	Network Analysis Lab	23	• Dual Power Supply • DSO • Function Generator	60	Ms. Likhitha	Assistant Instructor	Diploma in Electronics and

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Analog Electronics Circuits/Electronics Device Lab	• Do's, Don'ts and Safety measure rules are displayed in every laboratory • A fire extinguisher is installed outside the lab for emergency use • A first aid kit is available and kept near the labs • All experimental setups are equipped with suitable fuses to ensure safe operation • Proper grounding is provided • Students should follow the circuit diagrams displayed in the lab for making connections • They must have their connections checked by the faculty and technical staff before switching on the power supply • Circuit breakers or fuse units are provided
2	Communication Lab	• Do's, Don'ts and Safety measure rules are displayed in every laboratory • A fire extinguisher is installed outside the lab for emergency use • A first aid kit is available and kept near the labs • All experimental setups are equipped with suitable fuses to ensure safe operation • Proper grounding is provided • Students should follow the circuit diagrams displayed in the lab for making connections • They must have their connections checked by the faculty and technical staff before switching on the power supply • Circuit breakers or fuse units are provided
3	Digital Signal Processing Lab	• Do's, Don'ts and Safety measure rules are displayed in every laboratory • Students are permitted to work in a laboratory only in the presence of a staff member or lab assistant • A fire extinguisher is installed outside the lab for emergency use • A first aid kit is available and kept near the labs • Students must obtain permission from the faculty in charge or the lab assistant before connecting or disconnecting any plugs or cables • Students are prohibited from accessing any unauthorized software / websites • All systems have windows defender or security essentials antivirus installed, with built-in firewalls enabled
4	Analysis and Design of Digital Circuits Lab	• Do's, Don'ts and Safety measure rules are displayed in every laboratory • A fire extinguisher is installed outside the lab for emergency use • A first aid kit is available and kept near the labs • All experimental setups are equipped with suitable fuses to ensure safe operation • Proper grounding is provided • Students should follow the circuit diagrams displayed in the lab for making connections • They must have their connections checked by the faculty and technical staff before switching on the power supply • Circuit breakers or fuse units are provided
5	ARM Microcontroller Lab	• Do's, Don'ts and Safety measure rules are displayed in every laboratory • Students are permitted to work in a laboratory only in the presence of a staff member or lab assistant • A fire extinguisher is installed outside the lab for emergency use • A first aid kit is available and kept near the labs • Students must obtain permission from the faculty in charge or the lab assistant before connecting or disconnecting any plugs or cables • Students are prohibited from accessing any unauthorized software / websites • All systems have windows defender or security essentials antivirus installed, with built-in firewalls enabled
6	Basic Electrical Engineering Lab	• Do's, Don'ts and Safety measure rules are displayed in every laboratory • A fire extinguisher is installed outside the lab for emergency use • A first aid kit is available and kept near the labs • All experimental setups are equipped with suitable fuses to ensure safe operation • Proper grounding is provided • Students should follow the circuit diagrams displayed in the lab for making connections • They must have their connections checked by the faculty and technical staff before switching on the power supply • Circuit breakers or fuse units are provided
7	Network Analysis Lab	• Do's, Don'ts and Safety measure rules are displayed in every laboratory • A fire extinguisher is installed outside the lab for emergency use • A first aid kit is available and kept near the labs • All experimental setups are equipped with suitable fuses to ensure safe operation • Proper grounding is provided • Students should follow the circuit diagrams displayed in the lab for making connections • They must have their connections checked by the faculty and technical staff before switching on the power supply • Circuit breakers or fuse units are provided

D3. Project Laboratory/Research Laboratory

The Department provides specialized laboratories and Centre of Excellence facilities to support student projects, faculty research, innovation, entrepreneurship, and startup activities. These facilities provide opportunities for hands-on experimentation, prototype development, interdisciplinary projects, and technology-based solutions beyond the regular curriculum are depicted in Table 7.5.1.

Table 7.5.1: List of project laboratory/research laboratory /Centre of Excellence

Sl. No.	Name of the Facility	Details	Purpose for Creating Facility
1	Research Design Lab (RDL)	Hardware Facilities • Embedded System Design and Development • ARM Cortex-based Systems and RTOS • Low-power IoT Edge and Gateway Devices • Open-source Hardware and Computing Platforms • Wired Communication Interfaces- USB, RS-485, Ethernet, CAN, M-Bus and DMX-512 • Industrial Communication Protocols- MODBUS, OPC UA, Ethernet/IP, UDP, SNMP, CAN and PROFINET • Wireless Communication- Wi-Fi, Bluetooth, BLE, LoRa and GSM/4G/LTE • Battery Management and Power Electronics Software Facilities • Mobile Application Development for iOS and other platforms • Data Analytics, Machine Learning and Artificial Intelligence • Windows/Linux-based Application Development • IoT and Cloud Integration • AR/VR-based Application Development	The lab is established to provide students with hands-on experience in embedded systems, IoT, communication interfaces, and real-time technologies. It enables students to design, develop, test, and implement practical solutions using modern hardware and software platforms for academic projects, industry applications, and innovation.
2	VLSI Design (COE)	• Computers • Cadence Virtuoso Tool 25 user	It is established to provide VLSI design, simulation, verification, and implementation using industry-standard tools and technologies. The lab also supports internships, industry-oriented training, mini projects, and major projects, enabling students to gain practical exposure and develop skills relevant to the VLSI industry.
3	FlocCare	• Embedded system design and development • Microcontroller and microprocessor-based applications • IoT-based systems and smart devices • Sensor and actuator interfacing • Wireless communication and connectivity • Industrial automation and control • Real-time monitoring and data acquisition • Embedded C / programming and debugging	It is established to provide students with hands-on exposure to modern embedded, IoT and automation technologies. The laboratory helps students develop practical skills through industry-oriented experiments, mini projects, internships and prototype development, thereby improving their employability and readiness for industry requirements.
4	ICT Academy (COE) Cognizant Infosys Paypal	Provides industry-aligned technical training, emerging technology courses, mentoring and skill-development activities. ICT Academy focuses on bridging the industry-academia skill gap.	Industry-relevant technical skills, professional skills, certification, mentoring and placement-oriented preparation.

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
2024-25(CAYm2)	780	39	37	13	83
2025-26(CAYm1)	780	39	42	14	93
2026-27(CAY)	840	42	43	15	89

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 2026-27	Actual Expenses in 2026-27 till	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till
Infrastructure Built-Up //	750	1789.52	1000	919.03	250	275.55	450	90.11
Library //	15	3.37	20	5	55	4.73	25	3.02
Laboratory equipment //	441.28	385.02	285	123.95	150	190.71	125	8.60
Teaching and non-teaching staff salary ⬆ //	2311	1068.71	1835	1981	1650	1613.32	1550	1524.68
Outreach Programs //	148.80	91.85	27	30.69	25	49.54	18	20.14
R&D //	136	44.41	110	50	100	76.05	100	170.8
Training, Placement and Industry linkage ⬆ //	317.90	169.81	300	325	185	322.63	170	276.12
SDGs //	4	3.20	35	27.87	25	19.60	15	12.06
Entrepreneurship //	8	2.20	75	60	75	54.27	60	70
Others, specify //	224.30	189.16	1300	1510	896	1003.33	784	1580.65

Total	4356.28	3747.25	4987	5032.54	3411	3609.73	3297	3756.18
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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 2026-27	Actual Expenses in 2026-27 till	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till
Laboratory equipment //	49.11	45.69	39.11	17.01	19.46	31.66	16.89	0.00
Software //	6.13	2.51	2.67	3.05	1.71	1.89	0.85	1.70
SDGs //	0.50	0.4	4.80	3.82	3.24	2.54	2.03	1.63
Support for faculty development ⬆ //	14.76	6.75	11.72	9.88	0.98	1.65	5.09	6.77
R & D //	17.03	5.56	15.09	6.86	12.98	6.25	13.51	13.42
Industrial Training, Industry expert, Internship ⬆ //	25.04	14.51	33.15	38.92	26.27	46.65	20.31	33.27
Miscellaneous Expenses* //	28.08	23.68	186.01	212.39	124.28	135.34	113.21	221.36
Total	140.65	99.10	292.55	291.93	188.92	225.98	171.89	278.15