

NATIONAL BOARD OF ACCREDITATION

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

Program Name : ELECTRONICS AND COMMUNICATION ENGINEERING	Discipline: Engineering & Technology
Level : Under Graduate	Tier: 2
Application No: 12109	Date of Submission: 07-09-2026

PART A- Profile of the Institute

A1.Name of the Institute: SRI CHAITANYA TECHNICAL CAMPUS	
Year of Establishment : 2009	Location of the Institute: 17210268 78608508 Sheriguda Village
A2. Institute Address: Sheriguda Village, Ibrahimpatnam Mandal, Ranga Reddy Dist. 501510	
City:Ranga Reddy	State:Telangana
Pin Code:501510	Website:www.srichaitanya.ac.in
Email:director&a.sctc@gmail.com	Phone No(with STD Code):-
A3. Name and Address of the Affiliating University (if any):	
Name of the University : JNTU HYDERABAD	City: Hyderabad
State : Telangana	Pin Code: 500085
A4. Type of the Institution: Non-Autonomous (Affiliated)	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **8**
- No. of PG programs: **0**

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	Engineering & Technology	UG	Civil Engineering	2009	--	Civil Engineering
2	Engineering & Technology	UG	Computer Science and Engineering	2010	--	Computer Science and Engineering
3	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2023	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
4	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2023	--	Computer Science and Engineering (Data Science)
5	Engineering & Technology	UG	Electrical and Electronics Engineering	2009	--	Electrical and Electronics Engineering
6	Engineering & Technology	UG	ELECTRONICS AND COMMUNICATION ENGINEERING	2009	--	Electronics and Communication Engineering
7	Engineering & Technology	UG	Mechanical Engineering	2009	--	Mechanical Engineering

8	Engineering & Technology	UG	Software Engineering	2020	--	Computer Science and Engineering
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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 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 ACCREDI
1	ELECTRONICS AND COMMUNICATION ENGINEERING	UG	2009 / --	60	Yes	2023	30	2023	AICTE	Applying first time	--	--	0

Sanctioned Intake for Last Five Years for the ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year	Sanctioned Intake
2025-26	30
2024-25	30
2023-24	30
2022-23	60
2021-22	60
2020-21	60

List of the Allied Departments/Cluster and Programs:**B2. Detail of Head of the Department for the program under consideration:**

A. Name of the HoD :	Dr. Javeed Mohammad
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

Table No.B3.1: Admission details for the program excluding those admitted through multiple entry and exit points.

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	30	30	30	60	60	60	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	30	28	15	25	16	14	42
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	3	3	6	6	6	12
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	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	30	31	18	31	22	20	54

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	30	30	0	100.00
2024-25 (CAYm1)	30	28	0	93.33
2023-24 (CAYm2)	30	15	0	50.00

Average [(ER1 + ER2 + ER3) / 3] = 81.11≡ 17.00

B5. Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	66.00	66.00	132.00
B=No. of students who graduated from the program in the stipulated course duration	16.00	16.00	44.00
Success Rate (SR)= (B/A) * 100	24.24	24.24	33.33

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 27.27

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

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

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
X=(Mean of 1st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10)	6.44	7.11	6.89
Y=Total no. of successful students	28.00	15.00	25.00
Z=Total no. of students appeared in the examination	28.00	15.00	25.00

API [X*(Y/Z)]	6.44	7.11	6.89
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Average API[(AP1+AP2+AP3)/3] : 6.81

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

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

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	7.12	7.46	7.35
Y=Total no. of successful students	18.00	24.00	22.00
Z=Total no. of students appeared in the examination	18.00	31.00	22.00
API [X * (Y/Z)]	7.12	5.78	7.35

Average API [(AP1 + AP2 + AP3)/3] : 6.75

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

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

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.88	8.49	8.19
Y=Total no. of successful students	21.00	16.00	16.00
Z=Total no. of students appeared in the examination	24.00	22.00	20.00
API [X*(Y/Z)]:	6.90	6.17	6.55

Average API [(AP1 + AP2 + AP3)/3] : 6.54

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	66.00	66.00	132.00
X=No. of students placed	13.00	15.00	40.00
Y=No. of students admitted to higher studies	0.00	0.00	0.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	19.70	22.73	30.30

Average Placement Index = (P_1 + P_2 + P_3)/3: 24.24 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

(Data to be filled in for the Department and Allied Departments)

C1. Faculty details of Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr.S. A.MUZEER	XXXXXXX77A	Ph.D	BKU	ELECTRONICS AND COMMUNICATION ENGINEERING	21/06/2018	8.2	Professor	Professor	21/06/2018	Regular	Yes		No
2	Dr. KALIAPPAN J	XXXXXXX69E	Ph.D	BHARATH UNIVERSITY	ELECTRONICS AND COMMUNICATION	21/08/2023	3	Professor	Professor	21/08/2023	Regular	Yes		No
3	Mrs. SWATHI ANIREDDY	XXXXXXX92C	M.Tech	JNTUH	VLSI SYSTEM DESIG	11/02/2019	7.6	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Ms RAJA KUMARI PYATA	XXXXXXX95P	M.Tech	JNTUH	VLSI EMBEDDED SYESTEMS	20/08/2019	5.10	Assistant Professor	Assistant Professor		Regular	No	08/07/2025	No
5	Mr. DIWAKARA KOLLI	XXXXXXX28B	M.Tech	JNTUH	DIGITAL ELECTRONICS AND COMUNICATION SYSTEMS	30/06/2017	9.1	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mr. VENKATESH YEKKALURI	XXXXXXX90B	M.Tech	JNTUH	VLSI SYSTEM DESIGN	20/12/2021	4.8	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mrs. NAGAMANI YEKKALURI	XXXXXXX32J	M.Tech	JNTUH	VLSI SYSTEM DESIGN	20/12/2021	4.8	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr. RAMAVATH KISHAN NAIK	XXXXXXX48J	M.Tech	JNTUH	VLSI SYSTEM DESIGN	04/07/2022	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mr. MADHU TALARI	XXXXXXX88K	M.Tech	JNTUH	SYSTEMS AND SIGNAL PROCESSESING	04/07/2022	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Ms. SAMEENA SYEDA	XXXXXXX93R	M.Tech	JNTUH	DIGITAL SYSTEMS	18/10/2022	1.6	Assistant Professor	Assistant Professor		Regular	No	15/05/2024	No
11	Mr. NAGU DANAVATH	XXXXXXX43Q	M.Tech	JNTUH	VLSI SYSTEM DESIGN	07/02/2019	5.3	Assistant Professor	Assistant Professor		Regular	No	04/06/2024	No
12	Mrs. KASULA RADHA	XXXXXXX42B	M.Tech	JNTUH	VLSI SYSTEM DESIGN	21/08/2023	3	Assistant Professor	Assistant Professor		Regular	Yes		No

13	Mrs. SRILATHA KOMMU	XXXXXXXX53C	M.Tech	JNTUH	VLSI SYSTEM DESIGN	18/07/2023	3.1	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mr. JAGAN KODURU	XXXXXXXX52B	M.Tech	JNTUH	EMBEDED SYSTEMS	16/02/2023	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Mrs. HYMAVATHI KORRA	XXXXXXXX70C	M.Tech	Dr. BAMU	ELECTRONICS DESIGN & TECHNOLOGY	09/08/2024	2	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Dr. Javeed Mohammad	XXXXXXXX21F	Ph.D	Mewar University	VLSI System Design	17/08/2026	0	Associate Professor	Associate Professor	17/08/2026	Regular	Yes		Yes
17	Dr.P, MANIGANDA	XXXXXXXX08G	Ph.D	SRM UNIVERSITY	ELECTRONICS AND COMMUNICATION ENGINEERING	07/05/2020	6.4	Professor	Professor	07/05/2020	Regular	Yes		No

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

C2. Student-Faculty Ratio (SFR)

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

UG1=1st UG program

UGn=nth UG program

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

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

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

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

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

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

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

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

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

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

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

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	33	33	66
UG1.C	33	66	66
UG1.D	66	66	66
UG1: ELECTRONICS AND COMMUNICATION ENGINEERING	132	165	198
DS=Total no. of students in all UG and PG programs in the Department	132	165	198
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= 132	S2= 165	S3= 198
DF=Total no. of faculty members in the Department	13	13	14

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
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= 13	F2= 13	F3= 14
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 10.15	SFR2= 12.69	SFR3= 14.14
Average SFR for 3 years	SFR= 12.33		

C3. Faculty Qualification

- Faculty qualification index (FQI) = $2.5 * [(10X + 4Y)/RF]$ where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = $2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	3	10	6.00	29.17
2024-25(CAYm1)	3	10	8.00	21.88
2023-24(CAYm2)	3	11	9.00	20.56

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
2025-26	1.00	3.00	1.00	0.00	4.00	10.00
2024-25	1.00	3.00	2.00	0.00	6.00	10.00
2023-24	1.00	3.00	2.00	0.00	7.00	11.00
Average	RF1=1.00	AF1=3.00	RF2=1.67	AF2=0.00	RF2=5.67	AF2=10.33

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. Vishal Kumar M	Robotics Chip-level Engineer	HackBoats	ECE	28.00
2	Mr. Shaik Shahid	Multidisciplinary Engineer	Bhoomibandhan welfare foundation	ECE	30.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Shaik Shahid	Multidisciplinary Engineer	Bhoomibandhan welfare foundation	ECE	27.00
2	Mr. G. Balwanth Reddy	Director	Magni5 Info Solutions PVT LTD	ECE	27.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Vishal Kumar M	Robotics Chip-level Engineer	HackBoats	ECE	28.00
2	Mr. G. Balwanth Reddy	Director	Magni5 Info Solutions PVT LTD	ECE	30.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	7	3	2
2	No. of peer reviewed conference papers published	5	4	3
3	No. of books/book chapters published	2	2	2

C7. Sponsored Research Project

Table No. C7.1: List of sponsored research projects received from external agencies.

(CAYm1)**(CAYm2)****(CAYm3)****Total Amount (Lacs) Received for the Past 3 Years: NIL****Note*:**

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

C8. Consultancy Work

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.S. A.MUZEER	Mrs. SRILATHA KOMMU	ECE	Design and Development of a Smart Industrial Wireless Sensor Network for Real-Time Equipment and Environmental Monitoring with Embedded Controllers, Multi-Protocol Communication, Edge Data Processing, Fault Detection and Centralized Dashboard Integration	Nexaway technologies	2 years	4.00
						Amount received (Rs.):4.00

(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.S. A.MUZEER	Mr. MADHU TALARI	ECE	Development of an Intelligent Machine Vision and Embedded Inspection System for Automated Industrial Quality Monitoring Using High-Resolution Cameras, Image Processing, Object Detection, Defect Identification and Real-Time Decision Making	Nexaway technologies	2 years	6.00
						Amount received (Rs.):6.00

(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. SANJEEV THIPPANI	Mr. DIWAKARA KOLLI	ECE	Design and Development of an AI-Enabled Industrial IoT Edge Monitoring and Communication System with Multi-Sensor Data Acquisition, Embedded Signal Processing, Wireless Connectivity, Real-Time Device Diagnostics and Cloud-Based Remote Monitoring	Nexaway technologies	2 years	5.00
						Amount received (Rs.):5.00

Total amount (Lacs) received for the past 3 years: 15.00

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. S. A. MUZEER	FPGA-Based Digital Signal Processing Prototype – Performance Evaluation	6 Months	23000.00	23000.00	Implemented and tested a digital signal-processing prototype on FPGA hardware with documented performance results.
Dr. KALIAPPAN J	Smart Energy Metering and Remote Monitoring Prototype – Performance Evaluation	1 Year	23000.00	23000.00	Developed a prototype for remote energy monitoring and prepared performance and communication test results.
Mrs. SWATHI ANIREDDY	Embedded System for Automated Safety Monitoring – Performance Evaluation	6 Months	18500.00	18000.00	Built an embedded prototype for automated detection and notification of selected safety conditions.
Mrs. RAJA PYATA	IoT-Based Environmental Monitoring System – Performance Evaluation	6 Months	20500.00	20000.00	Developed a sensor-based prototype for real-time monitoring of temperature, humidity and air-quality parameters.
Mr. MADHU TALARI	Low-Power Wireless Sensor Network for Campus Applications – Performance Evaluation	1 Year	19500.00	19000.00	Designed and tested a low-power wireless sensor network suitable for distributed campus monitoring.
			Amount received (Rs.): 104500.00		

(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. S. A.MUZEER	Embedded System for Automated Safety Monitoring – Extended Field Validation	6 Months	20000.00	20000.00	Built an embedded prototype for automated detection and notification of selected safety conditions.
Dr. KALIAPPAN J	IoT-Based Environmental Monitoring System – Extended Field Validation	6 Months	18500.00	18000.00	Developed a sensor-based prototype for real-time monitoring of temperature, humidity and air-quality parameters.
Ms. SAMEENA SYEDA	Low-Power Wireless Sensor Network for Campus Applications – Extended Field Validation	6 Months	19000.00	19000.00	Designed and tested a low-power wireless sensor network suitable for distributed campus monitoring.
			Amount received (Rs.): 57500.00		

(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
NAGAMANI YEKKALURI	IoT-Based Environmental Monitoring System	6 Months	22000.00	21000.00	Developed a sensor-based prototype for real-time monitoring of temperature, humidity and air-quality parameters.
SWATHI ANIREDDY	Low-Power Wireless Sensor Network for Campus Applications	1 Year	19000.00	19000.00	Designed and tested a low-power wireless sensor network suitable for distributed campus monitoring.
RAJA PYATA	FPGA-Based Digital Signal Processing Prototype	6 Months	21000.00	21000.00	Implemented and tested a digital signal-processing prototype on FPGA hardware with documented performance results.
DIWAKARA KOLLI	Smart Energy Metering and Remote Monitoring Prototype	1 Year	15000.00	15000.00	Developed a prototype for remote energy monitoring and prepared performance and communication test results.
			Amount received (Rs.): 77000.00		

Total amount (Lacs) received for the past 3 years : 239000.00

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	Electronic Devices & Circuits Lab	3	CRO(0-20MHz), Regulated Power supply(0-30V), Function Generator(0-1MHz), Voltmeters,	2	BUSSU ARAVIND RED	LAB ASSISTANT	B.TECH
2	Basic Simulation Lab	1	MATLAB software (9.0)-2016b, Computer systems, DSO(0 20MHz), Function generators (0-1MHz)	2	S.KOMARELLI	LAB ASSISTANT	DIPLOMA
3	Digital Systems Design Lab/Digital logic design lab/digital electronics lab	3	CRO(0-20MHz), Regulated Power supply(0-30V), Function Generator(0-2MHz) , Voltmeters,	4	SHAIK SHAHID	LAB ASSISTANT	B.TECH
4	Analog & Digital Communications Lab	3	Function Generators (0-2MHz), CROs (0-20MHz), Spectrum Analyzer (9KHz-1.5GHz), Trainer Kits	2	B MANISHA	LAB ASSISTANT	B.TECH
5	Electronic Circuit Analysis Lab	3	CRO(0-20MHz), Regulated Power supply(0-30V), Function Generator(0-1MHz), Voltmeters,	2	BUSSU ARAVIND RED	LAB ASSISTANT	B.TECH
6	Microprocessor and micro controller lab/Microcontrollers Lab	3	Dosbox/MASM or its equivalent software, 8086 Kits, 8051 Kits, Interfacing 7 Segment Display To	4	SHAIK SHAHID	LAB ASSISTANT	B.TECH
7	Digital Signal Processing Lab	1	MATLAB software (9.0)-2016b, Computer systems, DSO (0-20MHz), Function generators (0-1MHz), CC	4	S.KOMARELLI	LAB ASSISTANT	DIPLOMA

8	Linear and Digital Integrated Circuit Applications Lab/IC applications	3	Regulated Power Supply (0-5V,2A), CROs (0-30MHz), Function Generators(0-1MHz), Bread Board	2	MULAKALA JITENDRA	LAB ASSISTANT	B.TECH
9	Internet of Things Architecture and protocol lab	1	Computers, Arduino IDE, Raspberry Pi and its other Peripherals	4	SANA TABUSSUM	LAB ASSISTANT	B.TECH
10	Microwave& optical communication Engineering Lab	3	Gunn diode based microwave bench setup, Klystron based microwave bench setup, VSWR	2	MULAKALA JITENDRA	LAB ASSISTANT	B.TECH
11	CMOS VLSI & ECAD Lab	1	Xilinx software installed,computers	4	S.KOMARELLI	LAB ASSISTANT	DIPLOMA
12	Analog circuit lab	3	Regulator power supply(0-30v),Dual channel cro(20MHZ),Function generators,	2	BUSSU ARAVIND RED	LAB ASSISTANT	B.TECH
13	Advanced communication lab	3	Network and spectrum analyzer,QAM,OFDM	2	B MANISHA	LAB ASSISTANT	B.TECH

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Electronic Devices & Circuits Lab	A. Basic Safety Measures: 1. Apron is mandatory while entering the laboratory. 2. Signature is mandatory while entering and leaving the laboratory. 3. First aid box is kept in the laboratory. 4. Fire extinguisher is kept near the laboratory. 5. Periodical servicing will be done for the laboratory equipment. 6. All the labs are maintained clean and organized properly. 7. Cell Phones are strictly not allowed in the laboratories. B. Lab Specific Safety measures: 1. Shoes are mandatory while performing experiments. 2. High Quality MCB is used to trip excess voltages if any. 3. Student should immediately inform the lab in charge if there's any defect/damage observed at hardware laboratories. 4. All the equipment should be turned off properly before leaving the laboratories
2	Digital Systems Design Lab	A. Basic Safety Measures: 1. Apron is mandatory while entering the laboratory. 2. Signature is mandatory while entering and leaving the laboratory. 3. First aid box is kept in the laboratory. 4. Fire extinguisher is kept near the laboratory. 5. Periodical servicing will be done for the laboratory equipment. 6. All the labs are maintained clean and organized properly. 7. Cell Phones are strictly not allowed in the laboratories. B. Lab Specific Safety measures: 1. Shoes are mandatory while performing experiments. 2. High Quality MCB is used to trip excess voltages if any. 3. Student should immediately inform the lab in charge if there's any defect/damage observed at hardware laboratories. 4. All the equipment should be turned off properly before leaving the laboratories
3	Electronic Circuit Analysis Lab	A. Basic Safety Measures: 1. Apron is mandatory while entering the laboratory. 2. Signature is mandatory while entering and leaving the laboratory. 3. First aid box is kept in the laboratory. 4. Fire extinguisher is kept near the laboratory. 5. Periodical servicing will be done for the laboratory equipment. 6. All the labs are maintained clean and organized properly. 7. Cell Phones are strictly not allowed in the laboratories. B. Lab Specific Safety measures: 1. Shoes are mandatory while performing experiments. 2. High Quality MCB is used to trip excess voltages if any. 3. Student should immediately inform the lab in charge if there's any defect/damage observed at hardware laboratories. 4. All the equipment should be turned off properly before leaving the laboratories
4	Analog & Digital Communications Lab	A. Basic Safety Measures: 1. Apron is mandatory while entering the laboratory. 2. Signature is mandatory while entering and leaving the laboratory. 3. First aid box is kept in the laboratory. 4. Fire extinguisher is kept near the laboratory. 5. Periodical servicing will be done for the laboratory equipment. 6. All the labs are maintained clean and organized properly. 7. Cell Phones are strictly not allowed in the laboratories. B. Lab Specific Safety measures: 1. Shoes are mandatory while performing experiments. 2. High Quality MCB is used to trip excess voltages if any. 3. Student should immediately inform the lab in charge if there's any defect/damage observed at hardware laboratories. 4. All the equipment should be turned off properly before leaving the laboratories

5	Linear and Digital Integrated Circuit Applications Lab /IC Applications	A. Basic Safety Measures: 1. Apron is mandatory while entering the laboratory. 2. Signature is mandatory while entering and leaving the laboratory. 3. First aid box is kept in the laboratory. 4. Fire extinguisher is kept near the laboratory. 5. Periodical servicing will be done for the laboratory equipment. 6. All the labs are maintained clean and organized properly. 7. Cell Phones are strictly not allowed in the laboratories. B. Lab Specific Safety measures: 1. Shoes are mandatory while performing experiments. 2. High Quality MCB is used to trip excess voltages if any. 3. Student should immediately inform the lab in charge if there's any defect/damage observed at hardware laboratories. 4. All the equipment should be turned off properly before leaving the laboratories
6	Micro processor and micro controller lab/Micro controllers Lab	A. Basic Safety Measures: 1. Apron is mandatory while entering the laboratory. 2. Signature is mandatory while entering and leaving the laboratory. 3. First aid box is kept in the laboratory. 4. Fire extinguisher is kept near the laboratory. 5. Periodical servicing will be done for the laboratory equipment. 6. All the labs are maintained clean and organized properly. 7. Cell Phones are strictly not allowed in the laboratories. B. Lab Specific Safety measures: 1. Shoes are mandatory while performing experiments. 2. High Quality MCB is used to trip excess voltages if any. 3. Student should immediately inform the lab in charge if there's any defect/damage observed at hardware laboratories. 4. All the equipment should be turned off properly before leaving the laboratories
7	Microwave and optical communication Engineering Lab	A. Basic Safety Measures: 1. Apron is mandatory while entering the laboratory. 2. Signature is mandatory while entering and leaving the laboratory. 3. First aid box is kept in the laboratory. 4. Fire extinguisher is kept near the laboratory. 5. Periodical servicing will be done for the laboratory equipment. 6. All the labs are maintained clean and organized properly. 7. Cell Phones are strictly not allowed in the laboratories. B. Lab Specific Safety measures: 1. Shoes are mandatory while performing experiments. 2. High Quality MCB is used to trip excess voltages if any. 3. Student should immediately inform the lab in charge if there's any defect/damage observed at hardware laboratories. 4. All the equipment should be turned off properly before leaving the laboratories
8	Basic Simulation Lab	A. Basic Safety Measures: 1. Apron is mandatory while entering the laboratory. 2. Signature is mandatory while entering and leaving the laboratory. 3. First aid box is kept in the laboratory. 4. Fire extinguisher is kept near the laboratory. 5. Periodical servicing will be done for the laboratory equipment. 6. All the labs are maintained clean and organized properly. 7. Cell Phones are strictly not allowed in the laboratories. B. Lab Specific Safety measures: 1. Students should leave their footwear before entering into the computer laboratories 2. 30 Minutes power backup facility available from the Generator setup. 3. Permission denied for pen drives in computer laboratories. 4. Student must check the computer unit and its peripherals attached before using it. 5. Student must immediately inform the lab incharge if there's any defect, damage observed at computer laboratories. 6. All the computers should be turned off properly before leaving the laboratories
9	Digital Signal Processing Lab	A. Basic Safety Measures: 1. Apron is mandatory while entering the laboratory. 2. Signature is mandatory while entering and leaving the laboratory. 3. First aid box is kept in the laboratory. 4. Fire extinguisher is kept near the laboratory. 5. Periodical servicing will be done for the laboratory equipment. 6. All the labs are maintained clean and organized properly. 7. Cell Phones are strictly not allowed in the laboratories. B. Lab Specific Safety measures: 1. Students should leave their footwear before entering into the computer laboratories 2. 30 Minutes power backup facility available from the Generator setup. 3. Permission denied for pen drives in computer laboratories. 4. Student must check the computer unit and its peripherals attached before using it. 5. Student must immediately inform the lab incharge if there's any defect, damage observed at computer laboratories. 6. All the computers should be turned off properly before leaving the laboratories.
10	CMOS VLSI & eCAD Lab	A. Basic Safety Measures: 1. Apron is mandatory while entering the laboratory. 2. Signature is mandatory while entering and leaving the laboratory. 3. First aid box is kept in the laboratory. 4. Fire extinguisher is kept near the laboratory. 5. Periodical servicing will be done for the laboratory equipment. 6. All the labs are maintained clean and organized properly. 7. Cell Phones are strictly not allowed in the laboratories. B. Lab Specific Safety measures: 1. Students should leave their footwear before entering into the computer laboratories 2. 30 Minutes power backup facility available from the Generator setup. 3. Permission denied for pen drives in computer laboratories. 4. Student must check the computer unit and its peripherals attached before using it. 5. Student must immediately inform the lab incharge if there's any defect, damage observed at computer laboratories. 6. All the computers should be turned off properly before leaving the laboratories.
11	Analog circuits lab	A. Basic Safety Measures: 1. Apron is mandatory while entering the laboratory. 2. Signature is mandatory while entering and leaving the laboratory. 3. First aid box is kept in the laboratory. 4. Fire extinguisher is kept near the laboratory. 5. Periodical servicing will be done for the laboratory equipment. 6. All the labs are maintained clean and organized properly. 7. Cell Phones are strictly not allowed in the laboratories. B. Lab Specific Safety measures: 1. Shoes are mandatory while performing experiments. 2. High Quality MCB is used to trip excess voltages if any. 3. Student should immediately inform the lab in charge if there's any defect/damage observed at hardware laboratories. 4. All the equipment should be turned off properly before leaving the laboratories

12	Digital logic design lab	A. Basic Safety Measures: 1. Apron is mandatory while entering the laboratory. 2. Signature is mandatory while entering and leaving the laboratory. 3. First aid box is kept in the laboratory. 4. Fire extinguisher is kept near the laboratory. 5. Periodical servicing will be done for the laboratory equipment. 6. All the labs are maintained clean and organized properly. 7. Cell Phones are strictly not allowed in the laboratories. B. Lab Specific Safety measures: 1. Shoes are mandatory while performing experiments. 2. High Quality MCB is used to trip excess voltages if any. 3. Student should immediately inform the lab in charge if there's any defect/damage observed at hardware laboratories. 4. All the equipment should be turned off properly before leaving the laboratories
13	Advanced communication lab	A. Basic Safety Measures: 1. Apron is mandatory while entering the laboratory. 2. Signature is mandatory while entering and leaving the laboratory. 3. First aid box is kept in the laboratory. 4. Fire extinguisher is kept near the laboratory. 5. Periodical servicing will be done for the laboratory equipment. 6. All the labs are maintained clean and organized properly. 7. Cell Phones are strictly not allowed in the laboratories. B. Lab Specific Safety measures: 1. Shoes are mandatory while performing experiments. 2. High Quality MCB is used to trip excess voltages if any. 3. Student should immediately inform the lab in charge if there's any defect/damage observed at hardware laboratories. 4. All the equipment should be turned off properly before leaving the laboratories
14	Data communications and data networks lab	A. Basic Safety Measures: 1. Apron is mandatory while entering the laboratory. 2. Signature is mandatory while entering and leaving the laboratory. 3. First aid box is kept in the laboratory. 4. Fire extinguisher is kept near the laboratory. 5. Periodical servicing will be done for the laboratory equipment. 6. All the labs are maintained clean and organized properly. 7. Cell Phones are strictly not allowed in the laboratories. B. Lab Specific Safety measures: 1. Students should leave their footwear before entering into the computer laboratories 2. 30 Minutes power backup facility available from the Generator setup. 3. Permission denied for pen drives in computer laboratories. 4. Student must check the computer unit and its peripherals attached before using it. 5. Student must immediately inform the lab incharge if there's any defect, damage observed at computer laboratories. 6. All the computers should be turned off properly before leaving the laboratories.
15	Microwave and optical communication Engineering Lab	A. Basic Safety Measures: 1. Apron is mandatory while entering the laboratory. 2. Signature is mandatory while entering and leaving the laboratory. 3. First aid box is kept in the laboratory. 4. Fire extinguisher is kept near the laboratory. 5. Periodical servicing will be done for the laboratory equipment. 6. All the labs are maintained clean and organized properly. 7. Cell Phones are strictly not allowed in the laboratories. B. Lab Specific Safety measures: 1. Shoes are mandatory while performing experiments. 2. High Quality MCB is used to trip excess voltages if any. 3. Student should immediately inform the lab in charge if there's any defect/damage observed at hardware laboratories. 4. All the equipment should be turned off properly before leaving the laboratories

D3. Project Laboratory/Research Laboratory

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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 $((NS1 \times 0.8) + (NS2 \times 0.2)) / (\text{No. of required faculty (RF4)})$; $\text{Percentage} = ((NS1 \times 0.8) + (NS2 \times 0.2)) / RF$
2023-24(CAYm2)	360	18	28	12	138
2024-25(CAYm1)	360	18	30	12	147
2025-26(CAY)	360	18	25	12	124

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

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

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	5000000.00	3573893.00	750000.00	671500.00	500000.00	231300.00	500000.00	229000.00
Library	300000.00	136658.00	300000.00	100000.00	500000.00	206983.00	200000.00	90500.00
Laboratory equipment	500000.00	204183.00	500000.00	325000.00	1000000.00	949769.00	100000.00	48840.00
Teaching and non-teaching staff salary	70000000.00	67513831.00	82500000.00	78712729.00	90000000.00	84853278.00	58500000.00	55612648.00
Outreach Programs	300000.00	251465.00	250000.00	225650.00	250000.00	218850.00	250000.00	201550.00
R&D	500000.00	406615.00	400000.00	389520.00	400000.00	380350.00	450000.00	391200.00
Training, Placement and Industry linkage	550000.00	501560.00	550000.00	500580.00	500000.00	489520.00	500000.00	455680.00
SDGs	350000.00	276785.00	300000.00	265890.00	300000.00	250115.00	300000.00	231520.00
Entrepreneurship	500000.00	401585.00	450000.00	400550.00	450000.00	395200.00	400000.00	366975.00
Others, specify	25600000.00	24896822.00	23550000.00	20755080.00	30500000.00	26720393.00	25400000.00	21748587
Total	103600000.00	98163397.00	109550000.00	102346499.00	124400000.00	114695758.00	86600000.00	79376500.00

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

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

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Laboratory equipment	38000.00	16000.00	38000.00	25000.00	75000.00	72000.00	15000.00	8000.00
Software	38000.00	27000.00	38000.00	25000.00	30000.00	24000.00	38000.00	33000.00
SDGs	25000.00	21000.00	24000.00	20000.00	23000.00	19000.00	45000.00	35000.00
Support for faculty development	25000.00	23000.00	24000.00	22000.00	23000.00	22000.00	30000.00	28000.00
R & D	38000.00	31000.00	30000.00	30000.00	30000.00	29000.00	68000.00	59000.00
Industrial Training, Industry expert, Internship	40000.00	38000.00	41000.00	37000.00	37500.00	36000.00	75000.00	67000.00
Miscellaneous Expenses*	7100000.00	6954221.85	7975000.00	7485627.68	9060000.00	8390935.94	12650000.00	11638618.83

Total	7304000.00	7110221.85	8170000.00	7644627.68	9278500.00	8592935.94	12921000.00	11868618.83
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