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**: 2
Application No: 11088	**Date of Submission**: 09-10-2025

PART A- Profile of the Institute

A1.Name of the Institute: Vignan's Institute of Management & Technology for Women	
Year of Establishment : 2008	Location of the Institute: https://maps.app.goo.gl/7VofXvHpbGWj5NTf7
A2. Institute Address:Kondapur (V), Ghatkesar (M), Medichal (D)	
City:Ranga Reddy	State:Telangana
Pin Code:501301	Website:www.vmtw.in
Email:vmtw.aicte@gmail.com	Phone No(with STD Code):09652-910003
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Jawaharlal Nehru Technological University Hyderaba	City: Ranga Reddy
State : Telangana	Pin Code: 501301
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **6**
- No. of PG programs: **2**

Table No. A6.1: List of all programs offered by the Institute.

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Artificial Intelligence and Data Science	2021	2023	Artificial Intelligence and Data Science
2	Engineering & Technology	UG	Computer Science and Engineering	2008	--	Computer Science and Engineering
3	Engineering & Technology	PG	Computer Science and Engineering	2024	--	Computer Science and Engineering
4	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2020	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
5	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2021	--	Computer Science and Engineering (Data Science)
6	Engineering & Technology	UG	Electronics & Communication Engineering	2008	--	Electronics and Communication Engineering
7	Engineering & Technology	UG	Information Technology	2019	--	Information Technology
8	Engineering & Technology	PG	VLSI	2011	--	Electronics and Communication Engineering

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Computer Science and Engineering	No	Computer Science and Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG

Computer Science and Engineering (Artificial Intelligence and Machine Learning)	No	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	UG
Information Technology	No	Information Technology	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	2008 / --	90	Yes	2025	120	2025	F.No. South-Central/1-44641850195/2025/EOA/Corrigendum-1	Granted accreditation for 6 years for the period (specify period)	01/07/2019	30/06/2025	2	4

Sanctioned Intake for Last Five Years for the Electronics & Communication Engineering	
Academic Year	**Sanctioned Intake**
2025-26	120
2024-25	60
2023-24	60
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 :	PULLAIAH THANAM
B. Nature of appointment:	Regular
C. Qualification:	M.Tech and Ph.D.

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	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)	120	60	60	60	60	120	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	118	60	44	56	39	48	82
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	6	21	11	15	28	19

N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	4	3	4	2	3	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	122	69	69	69	57	76	101

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)	120	118	4	101.67
2024-25 (CAYm1)	60	60	3	105.00
2023-24 (CAYm2)	60	44	4	80.00

Average [(ER1 + ER2 + ER3) / 3] = 95.56≡ 20.00

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).	75.00	148.00	139.00
B=No. of students who graduated from the program in the stipulated course duration	51.00	68.00	82.00
Success Rate (SR)= (B/A) * 100	68.00	45.95	58.99

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 57.65

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

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

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
Mean of CGPA or mean percentage of all successful students(X)	7.85	6.83	7.45
Y=Total no. of successful students	62.00	48.00	57.00
Z=Total no. of students appeared in the examination	62.00	48.00	57.00
API [X*(Y/Z)]	7.85	6.83	7.45

Average API[(AP1+AP2+AP3)/3] : 7.38

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)	6.95	6.78	6.02
Y=Total no. of successful students	68.00	68.00	55.00
Z=Total no. of students appeared in the examination	69.00	68.00	56.00
API [X * (Y/Z)]	6.85	6.78	5.91

Average API [(AP1 + AP2 + AP3)/3] : 6.51

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)	7.33	6.87	6.69
Y=Total no. of successful students	67.00	55.00	73.00
Z=Total no. of students appeared in the examination	68.00	55.00	75.00

Average API [(AP1 + AP2 + AP3)/3] : 6.87

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	75.00	148.00	139.00
X=No. of students placed	47.00	60.00	74.00
Y=No. of students admitted to higher studies	4.00	6.00	8.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	68.00	44.59	58.99

Average Placement Index = (P_1 + P_2 + P_3)/3: 57.19 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	ASHOK REDDY KATTA	XXXXXXX60B	M.Tech	JNTUH	VLSI SYSTEM DESIGN	22/12/2014	10.9	Assistant Professor	Assistant Professor		Regular	Yes		No
2	MASTHAN BASHA SHAIK	XXXXXXX46A	M.Tech and Ph.D.	Acharya Nagarjuna University,AP	COMMUNICATIONS	09/08/2021	4.1	Associate Professor	Associate Professor	09/08/2021	Regular	Yes		No
3	GANESH GANGAM	XXXXXXX23M	M.Tech	JNTUH	EMBEDED SYSTEMS	03/04/2018	7.6	Assistant Professor	Assistant Professor		Regular	Yes		No
4	SWATHI GANGULA	XXXXXXX17A	M.Tech	JNTUH	VLSI SYSTEM DESIGN	03/02/2020	5.8	Assistant Professor	Assistant Professor		Regular	Yes		No
5	PULLAIAH THANAM	XXXXXXX16R	M.Tech and Ph.D.	JNTUH	VLSI	22/08/2019	6.1	Assistant Professor	Associate Professor	01/11/2024	Regular	Yes		Yes
6	VIJAYKUMAR REWANATH URKUDE	XXXXXXX17Q	M.Tech and Ph.D.	JNTUH	SYSTEMS & SIGNAL PROCESSING	01/01/2018	7.9	Assistant Professor	Professor	19/05/2021	Regular	Yes		No
7	SUSMITHA GALIPELLY	XXXXXXX96N	M.Tech	JNTUH	EMBEDED SYSTEMS	14/07/2021	4.2	Assistant Professor	Assistant Professor		Regular	Yes		No
8	NARESH DHONTHISARAM	XXXXXXX18A	M.Tech	JNTUH	VLSI SYSTEM DESIGN	01/06/2023	2.4	Assistant Professor	Assistant Professor		Regular	Yes		No
9	PADMA LEELA KANAPARTHI	XXXXXXX39P	M.Tech and Ph.D.	ANDHRA UNIVERSITY	ML BASED SIGNAL PROCESSING	01/11/2022	2.11	Assistant Professor	Associate Professor	01/08/2025	Regular	Yes		No

10	SHIRISHA DEVULAPALLY	XXXXXXX71B	M.Tech	JNTUH	VLSI SYSTEM DESIGN	10/03/2023	2.6	Assistant Professor	Assistant Professor		Regular	Yes		No
11	NAGARAJU EDURU	XXXXXXX10B	M.Tech	JNTUH	EMBEDED SYSTEMS	15/12/2015	9.9	Assistant Professor	Assistant Professor		Regular	Yes		No
12	GANJI JHANSI	XXXXXXX10P	M.Tech and Ph.D.	DR.MGR UNIVERSITY	IMAGE PROCESSING	27/08/2024	1.1	Associate Professor	Associate Professor	27/08/2024	Regular	Yes		No
13	MUKKAPATI PRAVALLIKA	XXXXXXX53H	M.Tech	JNTUH	VLSI SYSTEM DESIGN	04/12/2023	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No
14	HARIKRISHNA PONNAM	XXXXXXX74H	M.Tech	JNTUH	VLSI SYSTEM DESIGN	14/05/2012	13.4	Assistant Professor	Assistant Professor		Regular	Yes		No
15	JANGILI SUNIL KUMAR	XXXXXXX85H	M.Tech	JNTUH	VLSI SYSTEM DESIGN	20/12/2011	13.9	Assistant Professor	Assistant Professor		Regular	Yes		No
16	INDIRA PRIYADARSHINI GERA	XXXXXXX44K	M.Tech	JNTUH	SYSTEMS & SIGNAL PROCESSING	12/10/2022	2.11	Assistant Professor	Assistant Professor		Regular	Yes		No
17	ANUSHA PINISETTY	XXXXXXX89F	M.Tech	JNTUH	VLSI SYSTEM DESIGN	30/12/2013	11.9	Assistant Professor	Assistant Professor		Regular	Yes		No
18	GANJI VEERAIAH	XXXXXXX12M	M.Tech	JNTUH	VLSI SYSTEM DESIGN	25/08/2025	0.1	Assistant Professor	Assistant Professor		Regular	Yes		No
19	SAMARLA SHILPA	XXXXXXX48P	M.Tech	JNTUH	VLSI SYSTEM DESIGN	01/11/2022	2.11	Assistant Professor	Assistant Professor		Regular	Yes		No
20	TELAGAMALLA GOPI	XXXXXXX52R	M.Tech	JNTUH	VLSI SYSTEM DESIGN	25/08/2025	0.1	Assistant Professor	Assistant Professor		Regular	Yes		No
21	SOWMYA BORRA	XXXXXXX31C	M.Tech	JNTUH	VLSI SYSTEM DESIGN	26/06/2025	0.3	Assistant Professor	Assistant Professor		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 Department1

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	66	66	66

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.C	66	66	66
UG1.D	66	66	66
UG1: Electronics & Communication Engineering	**198**	**198**	**198**
PG1.A	18	18	9
PG1.B	18	9	9
PG1: VLSI	**36**	**27**	**18**
DS=Total no. of students in all UG and PG programs in the Department	234	225	216
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=** 234	**S2=** 225	**S3=** 216
DF=Total no. of faculty members in the Department	21	18	16
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=** 21	**F2=** 18	**F3=** 16
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 11.70**	**SFR2= 13.24**	**SFR3= 14.40**
Average SFR for 3 years	**SFR= 13.11**		

C3. Faculty Qualification

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

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = 2.5 x [(10X + 4Y) / RF)]
2025-26(CAY)	5	16	11.00	25.91
2024-25(CAYm1)	3	15	11.00	20.45
2023-24(CAYm2)	2	14	10.00	19.00

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = 1/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents:.
- RF2= No. of Associate Professors required = 2/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- RF3= No. of Assistant Professors required = 6/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

Table No.C4.1: Faculty cadre proportion details.

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	1.00	2.00	4.00	7.00	16.00
2024-25	1.00	1.00	2.00	2.00	7.00	15.00
2023-24	1.00	1.00	2.00	1.00	7.00	14.00

Average	RF1=1.00	AF1=1.00	RF2=2.00	AF2=2.33	RF2=7.00	AF2=15.00

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	Mr. S. Sunil Kumar	Managing Director	UniFirst Roboticcs	Robotics	56.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. S. Sunil Kumar	Managing Director	UniFirst Roboticcs	Robotics	56.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. S. Sunil Kumar	Managing Director	UniFirst Robotics	Robotics	54.00

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	25	26	34
2	No. of peer reviewed conference papers published	28	30	32
3	No. of books/book chapters published	10	13	23

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.T.Pullaiah	Ms.G.Susmitha	CSR	AI-Based Smart Women Safety System Using IoT and Edge Computing	Truechip Solutions Pvt. Ltd., Noida	9 Months	1.50
Mr. P. Harikrishna	Mr. G.Ganesh Reddy	CSR	Smart Agro-Farm Monitoring Using Long-Range IoT & Cloud Analytics	Elegant Embedded Solutions Pvt. Ltd., Hyderabad	1 Year	1.30
Dr.G.Jhansi	Mr.D.Naresh	CSR	IoT Digital Twin for Real-Time Vehicle Tracking and Alerting	Armtronics Pvt. Ltd., Hyderabad	6 Months	1.10
Dr.Vijay kumar R Urkude	Mrs.G.Indira Priyadarshini	R&D	FPGA Accelerator for High-Speed Image Processing	Lavu Education Society	4 Months	2.10
Mr. G.Ganesh Reddy	Ms.G.Susmitha	R&D	Autonomous Surveillance Drone with AI Vision	Vignan University	6 Months	2.50
						Amount received (Rs.):8.50

(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. G.Ganesh	Ms.G.Susmitha	CSR	AI-Driven Adaptive Traffic Signal Optimization Using Raspberry Pi	Elegant Embedded Solutions Pvt. Ltd. Hyderabad.	8 Months	1.50
Ms.K.Padma Leela	Mr.K.Ashok Reddy	CSR	Edge-AI Face Recognition Attendance Terminal	Deeksha Technologies, Nellore,AP.	3 Months	1.30
Mrs.G.Indira Priyadarshini	Mrs.D.Shirisha	CSR	Predictive Maintenance Suite for Industrial Robots Using IoT & ML	Lavu Education Society	7 Months	2.20
Dr.Vijaykumar R Urkude	Ms.S.Shilpa	CSR	Ultra Low-Power VLSI Chip Optimization	Vignan University	3 Months	1.80
Mr. P. Harikrishna	Mr.G.Ganesh	CSR	Advance Home Security System with Face Recognition	Armtronics Pvt. Ltd., Hyderabad	5 Months	1.20
Dr. Shaik Masthan Basha	Mr. E. Nagaraju	CSR	Advanced Home/Office Security System with Facial Recognition	Truechip Solutions Pvt. Ltd., Noida	5 Months	1.50
						Amount received (Rs.):9.50

(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.J.Sunil Kumar	Mr.E.Nagaraju	CSR	AI-Driven Wild Animal Intrusion Detection System for Forest Safety	Armtronics Pvt. Ltd., Hyderabad	9 Months	1.20
Mr. P. Harikrishna	Mr.G.Ganesh Reddy	R&D	5G-Enabled Industrial IoT Monitoring System	Lavu Education Society	6 Months	2.10
Dr.Vijaykumar R Urkude	Mr.M.Karthikpal	CSR	Low-Power Wireless Sensor Node Design for Smart Agriculture	Vignan University	6 Months	1.20
Mrs.G.Swathi	Mrs.N.Rajeswari	CSR	IoT-Based Air Quality Monitoring System for VMTW	Deeksha Technologies, Nellore,AP..	6 Months	1.10
Mr. G. Ganesh Reddy	Mr.C.H.Naresh	CSR	Voice-Controlled Robotic Assistant	Elegant Embedded Solutions Pvt. Ltd., Hyderabad.	5 Months	0.60
Dr. Shaik Gayaz	Mr. P. Harikrishna	CSR	Advanced Medical Wearable	Truechip Solutions Pvt. Ltd., Noida	6 Months	1.00
						Amount received (Rs.):7.20

Total Amount (Lacs) Received for the Past 3 Years: 25.20

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.Shaik Masthan Basha	Mr.G.Ganesh Reddy	CSR	Industrial IoT Automation and Real-Time Monitoring System	Truechip Solutions Pvt. Ltd., Noida	6 Months	2.30
Mr.T.Pullaiah	Mrs.G.Indira Priyadarshini	CSR	Wireless Sensor Network (WSN) Infrastructure for Smart Campus Operations	Deeksha Technologies, Nellore,AP	6 Months	2.10
Mrs.G.Swathi	Mr.E.Nagaraju	CSR	AI-Driven Predictive Energy Optimization and Smart Power Management System	Armtronics Pvt. Ltd., Hyderabad	4 Months	1.90
Dr. Vijaykumar Rewanath Urkude	Mr.P.Harikrishna	CSR	Edge-AI Based Intelligent Surveillance System for Institutional Security	Elegant Embedded Solutions Pvt. Ltd.	5 Months	1.70
						Amount received (Rs.):8.00

(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.Vijaykumar Rewanath Urkude	Ms.G.Susmitha	CSR	Embedded Hardware & Firmware System for Industrial Condition Monitoring	Elegant Embedded Solutions Pvt. Ltd. Hyderabad	8 Months	2.80
Mr.P.Harikrishna	Mr.K.Ashok Reddy	CSR	Machine-Learning-Based Predictive Maintenance and Failure Forecasting System	Armtronics Pvt. Ltd., Hyderabad	6 Months	2.40
Mrs.G.Indira Priyadarshini	Mrs.D.Shirisha	CSR	AI-Enabled Adaptive Traffic Control & Urban Mobility Automation System	Truechip Solutions Pvt. Ltd., Noida	3 Months	2.60
Ms. K. Padma Leela	Ms. G.Susmitha	CSR	AI-Based Face Recognition Smart Attendance Ecosystem	Armtronics Pvt. Ltd., Hyderabad	5 Months	1.90
						Amount received (Rs.):9.70

(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.Shaik Gayaz	Mr.CH.Naresh	CSR	IoT Sensor Hardware & Edge-Analytics System for Smart City Monitoring	Elegant Embedded Solutions Pvt. Ltd.	9 Months	2.50
Mr.P.Harikrishna	Mr.M.Karthikpal	CSR	Low-Power Wireless Sensor Node Design and Deployment for Smart Agriculture	Armtronics Pvt. Ltd., Hyderabad	9 Months	2.40
Dr.Vijaykumar R Urkude	Mrs.CH.Radhika	CSR	AI & Edge-IoT-Based Smart Traffic Automation and Intelligent Signal Management	Truechip Solutions Pvt. Ltd., Noida	6 Months	2.20
Mrs. G. Swathi	Mr. J. Sunil Kumar	CSR	Deep Learning Based Smart Air Quality Index Forecasting System	Deeksha Technologies, Nellore,AP.	6 Months	2.10
						Amount received (Rs.):9.20

Total amount (Lacs) received for the past 3 years: 26.90

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.Vijaykumar R Urkude	Face Recognition Door Lock System using Raspberry Pi	6 Months	0.85	0.65	Prototype Model Completed
Mr.T.Pullaiah	Automatic Vehicle Engine Locking System using Raspberry Pi Pico W	6 Months	0.65	0.60	Prototype Model Completed
Mrs. G. Swathi	Smart Attendance Monitoring System using Face Recognition	6 Months	1.80	1.60	Prototype Completed
			Amount received (Rs.): 3.30		

(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.Shaik Masthan Basha	Wild animals' instruction detection using ai techniques and Raspberry Pi	6 Months	1.80	1.50	Prototype Model Completed
Mr.P.Harikrishna	Women Safety Robot Raspberry Pico	6 Months	0.95	0.88	Prototype Model Completed
Mr. M. Karthikpal	Edge AI-based Fault Detection System for Motors	6 Months	1.60	1.45	Prototype Completed
			Amount received (Rs.): 4.35		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr.Vijaykumar R Urkude	Digital Soil Testing Machine	6 Months	0.48	0.39	Patent published
Mr.G.Ganesh Reddy	Solar and Wind Operated Hybrid Power Station	6 Months	0.53	0.53	Patent published
Mr. P. Harikrishna	Solar and Wind Operated Hybrid Power Station	6 Months	0.86	0.76	Patent published
Mrs. CH. Radhika	IoT-based Indoor Air Quality Monitoring Device	6 Months	1.60	1.40	Prototype Completed
			Amount received (Rs.): 3.47		

Total amount (Lacs) received for the past 3 years : 11.12

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	Communications	3	1. Raspberry Pi 3 Model B+ 2. CROs: 20MHz 3. Function Generators: 2MHz 4. Spectrum Analyzer 5. Regulated	66%	Ms. T. Manisha	Lab Assistant	B.Tech
2	Digital Electronics	3	1. CROs: 20MHz 2. Function Generators: 2MHz 3. Regulated Power Supplies: 0-30V. 4. Digital Trainer Kits. 5.	33%	Mr. P. Srinivasa Moorthi	Lab Assistant	Diploma
3	Analog Electronics	3	1. Multisim Software 2. Transistor Characteristics Kits 3. FET and MOSFET Kits 4. CROs 5. Function Generators 6.	22%	Mrs. Harika	Lab Assistant	B.Tech
4	Simulation	1	1. COMPUTERS (I3,8th Gen,4GB RAM, HDD 1TB) MATLAB Software 2. Multisim 3. DSP Trainer Kits	55%	Mrs. Srilatha	Lab Assistant	B.Tech

5	Digital Systems	1	1. COMPUTERS (I3,8th Gen,4GB RAM, HDD 1TB) 2. Xilinx Software. 3. Mentor Graphics 4. FPGA Boards 5.	55%	Ms. B. Sahithi	Lab Assistant	B.Tech
6	Basic Electronics	3	1. Microwave bench setup with klystron power supply-X band 2. Microwave bench setup with Gunn power supply-X band 3.	33%	Ms. Y. Divya Sree	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	Basic Electronics Laboratory	Fire extinguishers installed and inspected periodically 2. Emergency power shut-off switches provided at accessible points 3. First-aid kits available in each laboratory 4. Proper earthing and insulation of all electrical connections 5. Clearly displayed laboratory rules, safety instructions, and hazard signboards 6. Adequate lighting, ventilation, and emergency exit pathways 7. Cable management to prevent tripping hazards 8. Safe storage for electronic components. 9. Trained technical staff to handle emergencies and equipment faults 10. Regular safety drills and equipment usage training for students 11. UPS backup and surge protection for critical equipment and computers 12. No-food-and-drinks policy strictly implemented to prevent electrical hazards
2	Analog Electronics Laboratory	Fire extinguishers installed and inspected periodically 2. Emergency power shut-off switches provided at accessible points 3. First-aid kits available in each laboratory 4. Proper earthing and insulation of all electrical connections 5. Clearly displayed laboratory rules, safety instructions, and hazard signboards 6. Adequate lighting, ventilation, and emergency exit pathways 7. Cable management to prevent tripping hazards 8. Safe storage for electronic components. 9. Trained technical staff to handle emergencies and equipment faults 10. Regular safety drills and equipment usage training for students 11. UPS backup and surge protection for critical equipment and computers 12. No-food-and-drinks policy strictly implemented to prevent electrical hazards
3	Digital Electronics Laboratory	Fire extinguishers installed and inspected periodically 2. Emergency power shut-off switches provided at accessible points 3. First-aid kits available in each laboratory 4. Proper earthing and insulation of all electrical connections 5. Clearly displayed laboratory rules, safety instructions, and hazard signboards 6. Adequate lighting, ventilation, and emergency exit pathways 7. Cable management to prevent tripping hazards 8. Safe storage for electronic components. 9. Trained technical staff to handle emergencies and equipment faults 10. Regular safety drills and equipment usage training for students 11. UPS backup and surge protection for critical equipment and computers 12. No-food-and-drinks policy strictly implemented to prevent electrical hazards
4	Communication Systems Laboratory	Fire extinguishers installed and inspected periodically 2. Emergency power shut-off switches provided at accessible points 3. First-aid kits available in each laboratory 4. Proper earthing and insulation of all electrical connections 5. Clearly displayed laboratory rules, safety instructions, and hazard signboards 6. Adequate lighting, ventilation, and emergency exit pathways 7. Cable management to prevent tripping hazards 8. Safe storage for electronic components. 9. Trained technical staff to handle emergencies and equipment faults 10. Regular safety drills and equipment usage training for students 11. UPS backup and surge protection for critical equipment and computers 12. No-food-and-drinks policy strictly implemented to prevent electrical hazards
5	Digital Systems Laboratory	. Fire extinguishers installed and inspected periodically 2. Emergency power shut-off switches provided at accessible points 3. First-aid kits available in each laboratory 4. Proper earthing and insulation of all electrical connections 5. Clearly displayed laboratory rules, safety instructions, and hazard signboards 6. Adequate lighting, ventilation, and emergency exit pathways 7. Cable management to prevent tripping hazards 8. Safe storage for electronic components. 9. Trained technical staff to handle emergencies and equipment faults 10. Regular safety drills and equipment usage training for students 11. UPS backup and surge protection for critical equipment and computers 12. No-food-and-drinks policy strictly implemented to prevent electrical hazards
6	Simulation Laboratory	. Fire extinguishers installed and inspected periodically 2. Emergency power shut-off switches provided at accessible points 3. First-aid kits available in each laboratory 4. Proper earthing and insulation of all electrical connections 5. Clearly displayed laboratory rules, safety instructions, and hazard signboards 6. Adequate lighting, ventilation, and emergency exit pathways 7. Cable management to prevent tripping hazards 8. Safe storage for electronic components. 9. Trained technical staff to handle emergencies and equipment faults 10. Regular safety drills and equipment usage training for students 11. UPS backup and surge protection for critical equipment and computers 12. No-food-and-drinks policy strictly implemented to prevent electrical hazards

D3. Project Laboratory/Research Laboratory

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
2023-24(CAYm2)	540	27	33	16	110
2024-25(CAYm1)	660	33	37	19	101
2025-26(CAY)	840	42	40	19	85

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	50.00	12.59	50.00	41.90	800.00	794.93	200.00	195.76
Library	22.00	14.48	20.00	19.75	17.00	16.35	15.00	14.25
Laboratory equipment	52.48	34.22	47.71	46.67	41.47	40.34	38.12	37.53
Teaching and non-teaching staff salary	1254.00	835.79	1140.00	1139.71	857.00	855.66	627.00	624.92
Outreach Programs	16.50	7.22	15.00	9.85	12.00	11.97	10.00	9.89
R&D	17.61	10.96	16.01	14.95	14.15	13.02	12.80	12.00
Training, Placement and Industry linkage	24.75	14.63	22.50	19.95	20.25	17.16	18.23	16.30
SDGs	18.87	11.76	17.15	16.04	14.72	14.10	13.63	13.03
Entrepreneurship	8.25	5.02	7.5	6.85	6.25	6.15	5.00	4.98
Laboratory Maintenance Faculty development & Others	194.06	122.07	176.48	166.47	146.23	140.4	139.82	133.38
Total	**1658.52**	**1068.74**	**1512.35**	**1482.14**	**1929.07**	**1910.08**	**1079.60**	**1062.04**

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	3.87	2.54	3.52	3.46	3.17	2.98	2.85	2.83
Software	0.55	0.19	0.50	0.26	0.45	0.22	0.41	0.21
SDGs	1.65	0.97	1.50	1.32	1.35	1.16	1.22	1.10
Support for faculty development	4.40	2.90	4.00	3.96	3.60	4.35	3.24	3.47

R & D	3.81	2.43	3.46	3.32	3.11	2.82	2.80	2.62
Industrial Training, Industry expert, Internship	2.60	1.64	2.36	2.23	2.12	1.98	1.91	1.81
Miscellaneous Expenses*	5.07	3.26	4.6	4.45	4.15	3.92	3.72	3.65
Total	**21.95**	**13.93**	**19.94**	**19.00**	**17.95**	**17.43**	**16.15**	**15.69**