

NATIONAL BOARD OF ACCREDITATION

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

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Program Name : Electronics and Telecommunication Engineering	Discipline : Engineering & Technology
Level : Under Graduate	Tier : 2
Application No : 12039	Date of Submission : 20-07-2026

PART A- Profile of the Institute

A1.Name of the Institute : International Institute of Information Technology	
Year of Establishment : 2011	Location of the Institute: Hinjawadi
A2. Institute Address :P-14, Rajiv Gandhi Infotech Park,MIDC – Phase I, Hinjawadi,Pune – 411 057, Maharashtra, India	
City:Pune	State:Maharashtra
Pin Code:411057	Website:www.isquareit.edu.in
Email:principal@isquareit.edu.in	Phone No(with STD Code):020-22933441
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Savitribai Phule Pune University	City: Pune
State : Maharashtra	Pin Code: 411007
A4. Type of the Institution : Autonomous CAY()	
A5. Ownership Status : Self financing	

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

- No. of UG programs: 3
- No. of PG programs: 1

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	Computer Engineering	2011	--	Computer Engineering
2	Engineering & Technology	PG	Computer Engineering	2025	--	Computer Engineering
3	Engineering & Technology	UG	Electronics and Telecommunication Engineering	2011	--	Electronics and Telecommunication Engineering
4	Engineering & Technology	UG	Information Technology	2011	--	Information Technology

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
Information Technology	Yes	Information Technology	UG
Electronics and Telecommunication Engineering	No	Electronics and Telecommunication Engineering	UG
Computer Engineering	Yes	Computer 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 and Telecommunication Engineering	UG	2011 / --	60	No	NA	60	2011	F.No.Western/2011/1-448945341, Date:3 August 2011	Granted accreditation for 3 years for the period (specify period)	2023	2026	1	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 :	Dr. S. Mohan Mahalakshmi Naidu
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)	60	60	60	60	60	60	60
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	50	56	58	52	53	58	56
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	12	11	9	13	10	14
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	8	7	7	10	9	8	6
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	58	75	76	71	75	76	76

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)	60	50	8	96.67
2024-25 (CAYm1)	60	56	7	105.00
2023-24 (CAYm2)	60	58	7	108.33

Average [(ER1 + ER2 + ER3) / 3] = 103.33≅ 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	(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	76.00	76.00
B=No. of students who graduated from the program in the stipulated course duration	69.00	67.00	67.00
Success Rate (SR)= (B/A) * 100	92.00	88.16	88.16

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 89.44

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)	7.80	6.60	7.00
Y=Total no. of successful students	62.00	58.00	59.00
Z=Total no. of students appeared in the examination	62.00	62.00	62.00
API [X*(Y/Z)]	7.80	6.17	6.66

Average API[(AP1+AP2+AP3)/3] : 6.88

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 2nd year/10)	7.30	7.10	5.90
Y=Total no. of successful students	69.00	65.00	72.00
Z=Total no. of students appeared in the examination	69.00	68.00	76.00
API [X * (Y/Z)]	7.30	6.79	5.59

Average API [(AP1 + AP2 + AP3)/3] : 6.56

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)	7.60	7.10	7.00
Y=Total no. of successful students	65.00	71.00	74.00
Z=Total no. of students appeared in the examination	65.00	72.00	76.00
API [X*(Y/Z)]:	7.60	7.00	6.82

Average API [(AP1 + AP2 + AP3)/3] : 7.14

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	76.00	76.00
X=No. of students placed	48.00	44.00	49.00
Y=No. of students admitted to higher studies	7.00	10.00	4.00
Z= No. of students taking up entrepreneurship	1.00	2.00	1.00

Placement Index(P) = (((X + Y + Z)/FS) * 100):	74.67	73.68	71.05
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Average Placement Index = (P_1 + P_2 + P_3)/3: 73.13 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. Mohan Mahalakshmi Naidu	XXXXXXXX48G	M.Tech and Ph.D.	Indian Institute of Technology Bombay	Biomedical Signal Processing	12/12/2017	8.7	Associate Professor	Professor	12/09/2023	Regular	Yes		Yes
2	Dr. Risil R. Chhatrala	XXXXXXXX43D	M.Tech and Ph.D.	Savitribai Phule Pune University	Pattern recognition and Computer Vision	22/06/2012	14	Assistant Professor	Associate Professor	01/11/2018	Regular	Yes		No
3	Dr. Varsha N. Degaonkar	XXXXXXXX21Q	M.Tech and Ph.D.	Savitribai Phule Pune University	Signal Processing	10/06/2013	13.1	Assistant Professor	Associate Professor	01/04/2021	Regular	Yes		No
4	Dr. V. Rajesh Chowdhary	XXXXXXXX42K	Ph.D	Asian Institute of Technology, Thailand	Remote Sensing & GIS	01/01/2018	8.6	Associate Professor	Associate Professor	01/01/2018	Regular	Yes		No
5	Ms. Bhagyashri T. Thorat	XXXXXXXX72A	M.Tech	Dr. Babasahebe Ambedkar Technological University, Lonere	Fiber optic Communication	02/07/2012	14	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Ms. Sujata S. Virulkar	XXXXXXXX23K	M.E.	Savitribai Phule Pune University	Signal Processing	20/12/2012	13.6	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Ms. Anjali A. Jagtap	XXXXXXXX09M	M.E.	Savitribai Phule Pune University	Computer Network, Remote Sensing	17/06/2014	12	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Ms. Ashvini N. Kulkarni	XXXXXXXX89D	M.E.	Dr. Babasahebe Ambedkar Marathwada University, Aurangabad	Embedded IOT	17/07/2012	13.11	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Ms. Suvarna A. Hande	XXXXXXXX22G	M.E.	Savitribai Phule Pune University	VLSI, Signal Processing	16/08/2022	3.10	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Dr. Shweta N. Jain	XXXXXXXX86A	M.E. and Ph.D.	Shri Jagdishprasad Jhabarmal Tibrewala University	AI & ML	01/02/2023	3.4	Assistant Professor	Assistant Professor		Regular	No	30/06/2026	No
11	Ms. Dia N. Magnani	XXXXXXXX45D	M.E.	Savitribai Phule Pune University	Digital Systems (Electronics)	29/08/2023	2.10	Assistant Professor	Assistant Professor		Regular	Yes		No

12	Ms. Minal K. Badgujar	XXXXXXXX72L	M.E.	Savitribai Phule Pune University	Digital Systems (Electronics)	01/07/2024	2	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Ms. Priya V. Pawar	XXXXXXXX87J	M.E.	Savitribai Phule Pune University	Digital Systems	01/07/2024	2	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Ms. Trupti S. Sonawane	XXXXXXXX21F	M.Tech	Shivaji University, Kolhapur	AI & ML	18/06/2024	1	Assistant Professor	Assistant Professor		Regular	No	30/06/2025	No
15	Ms. Snehal S. Upase	XXXXXXXX57G	M.Tech	Rashtrasant Tukdoji Maharaj Nagpur University	Communication	11/04/2023	0.5	Assistant Professor	Assistant Professor		Regular	No	15/09/2023	No
16	Ms. Shital S. Gaikwad	XXXXXXXX72G	M.E.	Savitribai Phule Pune University	Digital Systems (Electronics)	13/02/2023	0.4	Assistant Professor	Assistant Professor		Regular	No	28/06/2023	No
17	Mr. Prashant L. Ahire	XXXXXXXX02N	M.Tech	University of Mumbai	Embedded Systems	16/11/2022	3.8	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 Department0

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	66	66	66
UG1.C	66	66	66
UG1.D	66	66	66
UG1: Electronics and Telecommunication Engineering	198	198	198
DS=Total no. of students in all UG and PG programs in the Department	198	198	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= 198	S2= 198	S3= 198
DF=Total no. of faculty members in the Department	14	15	12
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= 14	F2= 15	F3= 12
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	0
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 15.23	SFR2= 14.14	SFR3= 16.50

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
Average SFR for 3 years	SFR= 15.29		

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)	4	10	9.00	22.22
2024-25(CAYm1)	4	11	9.00	23.33
2023-24(CAYm2)	4	8	9.00	20.00

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	1.00	2.00	3.00	7.00	10.00
2024-25	1.00	1.00	2.00	3.00	7.00	11.00
2023-24	1.00	0.00	2.00	4.00	7.00	8.00
Average	RF1=1.00	AF1=0.67	RF2=2.00	AF2=3.33	RF2=7.00	AF2=9.67

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. Sachin Satpute	Adjunct Faculty	EduPlusNow Learning Systems Pvt. Ltd., Pune, Maharashtra	Fundamentals of Networking, Embedded and IoT	95.00
2	Mr. Suraj Neminath Shinde	Adjunct Faculty	Iravan Pvt. Ltd., Pune	Introduction to VLSI	42.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Sachin Satpute	Adjunct Faculty	EduPlusNow Learning Systems Pvt. Ltd., Pune, Maharashtra	Image Processing with Machine Learning	50.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms. Asmita Jagtap	Adjunct Faculty	Sr. Consultant, Oracle India Ltd., Pune	Java Script	58.00
2	Mr. Yashodhan Mandke	Adjunct Faculty	Head Product Security, Emerson, Pune	Modernized IoT	50.00

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	4	5	14
2	No. of peer reviewed conference papers published	3	4	2
3	No. of books/book chapters published	2	0	0

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. V. Rajesh Chowdhary	NA	Electronics & Telecommunication Engineering	Design and Development of Real Time Video Surveillance, Data Analytics & Alerting Platform	Parabola9 Private Limited, India	5 Months	14.90
Dr. V. Rajesh Chowdhary	Ms. Anjali A Jagtap	Electronics & Telecommunication Engineering	Advanced course on Space Technology for Early Warning and Monitoring of Extreme Weather Events and Hydro-met Disaster	Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO), Government of India	1 Year	5.92
						Amount received (Rs.):20.82

(CAYm2)

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 20.82

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. V. Rajesh Chowdhary	NA	Electronics & Telecommunication Engineering	Design and Development of Real Time Video Surveillance,Data Analytics & Alerting Platform	Parabola9 Private Limited, India	1 year 4 months	2.66
Dr. V. Rajesh Chowdhary	NA	Electronics & Telecommunication Engineering	Design and Development of Asset Information Management System	Hofintech Private Limited, India	2 years 2 Months	59.82
Mr.Prashant Ahire	NA	Electronics & Telecommunication Engineering	Design and Development of Website for Kalai Cloth Store	Kalai Cloth Store LLP	11 Months	0.13
						Amount received (Rs.):62.61

(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. V. Rajesh Chowdhary	NA	Electronics & Telecommunication Engineering	Design and Development of Asset Information Management System	Hofintech Private Limited, India	2 years 2 Months	73.86
						Amount received (Rs.):73.86

(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. V. Rajesh Chowdhary	NA	Electronics & Telecommunication Engineering	Design and Development of Asset Information Management System	Hofintech Private Limited, India	2 years 2 Months	2.36
						Amount received (Rs.):2.36

Total amount (Lacs) received for the past 3 years: 138.83

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.

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. Mohan Mahalakshmi Naidu	Instrumentation For Feature Enhancement In Water Level Monitoring System	1 year	0.18	0.18	Working model
Dr. Varsha Degaonkar	DC-DC Test Bench Controller	1 year	0.18	0.18	Working model
Ms. Bhagyashri Thorat	IoT Based Solar Panel Cleaning Mechanism	1 year	0.18	0.18	Working model
Ms. Suvarna Hande	Pesticide Spraying Bot for Agriculture	1 year	0.18	0.18	Working model
Mr.Prashant Ahire	Smart Crack Detection System For Automobile Parts	1 year	0.18	0.18	Working model
Mr.Prashant Ahire	Portable Power Back-Up for Charging Drones	1 year	0.18	0.18	Working model
Dr. Risil Chhatrala	Waiter Bot	6 months	0.09	0.09	Working model
Dr. Risil Chhatrala	Smart Pet food Dispenser With Health Monitoring	6 months	0.09	0.09	Working model
Ms. Sujata Virulkar	Robotic Piano	6 months	0.09	0.09	Working model
Ms. Bhagyashri Thorat	Walkie-Talkie	6 months	0.09	0.09	Working model
Ms. Suvarna Hande	Rain Sense Umbrella	6 months	0.09	0.09	Working model
Ms. Shweta Jain	Retro Gaming Comsole	6 months	0.09	0.09	Working model
Ms. Trupti Sonavane	Hybrid dryer	6 months	0.09	0.09	Working model
Mr.Prashant Ahire	Seedling Planting Rover	6 months	0.09	0.09	Working model
Mr. Prashant Ahire	Fingerprint Based Door lock System	6 months	0.09	0.09	Working model
Ms. Dia Magnani	Automated shopping kart	6 months	0.09	0.09	Working model
Ms. Dia Magnani	Voice Based attendance system	6 months	0.09	0.09	Working model
Dr. Varsha Degaonkar	Rubik's cube solver robot	6 months	0.09	0.09	Working model
Dr. Varsha Degaonkar	Swarm Robotics	6 months	0.09	0.09	Working model
Dr. Varsha Degaonkar	automatic water leakage detection and monitoring system	6 months	0.09	0.09	Working model
Ms. Anjali Jagtap	ShapeBot	6 months	0.09	0.09	Working model
Ms. Ashvini Kulkarni	Millet Cooker	6 months	0.09	0.09	Working model
Ms. Ashvini Kulkarni	Automated Shoe Cleaning	6 months	0.09	0.09	Working model
Ms. Ashvini Kulkarni	Wearable Health Monitoring system	6 months	0.09	0.09	Working model
Dr. Risil Chhatrala	Smart Washroom	6 months	0.09	0.09	Working model
Dr. Risil Chhatrala	Ecosphere	6 months	0.09	0.09	Working model
Dr. Risil Chhatrala	Child Tracking System for Crowded Places	6 months	0.09	0.09	Working model
Dr. Risil Chhatrala	Assistive Gloves	6 months	0.09	0.09	Working model
Mr. Prashant Ahire	IoT Gateway for Agriculture Sensors and Pumps with RF Communication	1 year	0.18	0.18	Working model
Dr. S. Mohan Mahalakshmi Naidu	Universal Jammer	6 months	0.09	0.09	Working model
Ms. Shweta Jain	Smart Cradle system	6 months	0.09	0.09	Working model
Dr. V. Rajesh Chowdhary	Underwater Oil Spillage Detection System	6 months	0.09	0.09	Working Model
Ms. Anjali Jagtap	IOT- based Flood Monitoring System	6 months	0.09	0.09	Working model
Ms. Ashvini Kulkarni	Patent filling"Convertible Wheel Chair & method of conversion thereof"	1 day	0.12	0.12	Patent Filling
Dr. Varsha Degaonkar	IEEE Professional membership renewal	1 day	0.04	0.04	IEEE Membership
Ms. Anjali A. Jagtap	Training program on Bibliometric Analysis using Vosviewer	1 day	0.00	0.00	Faculty Training
Ms. Sujata S. Virulkar	Training program on Bibliometric Analysis using Vosviewer	1 day	0.00	0.00	Faculty Training

Ms. Sujata S. Virulkar	Paper published in INCOFT2025 conference	1 day	0.08	0.08	Paper publication
Dr. Varsha Degaonkar	Paper published in IEEE Conference	1 day	0.05	0.05	Paper publication
Dr.S.M.Mahalakshmi Naidu	Paper published in JES journal	1 day	0.13	0.13	Paper publication
Mr. Prashant Ahire	Paper published in JES journal	1 day	0.13	0.13	Paper publication
Ms. Bhagyashri Thorat	Food Spoilage Detection	6 months	0.09	0.09	Working model
Ms. Anjali A. Jagtap	Workshop on Empowering Pedagogical Practies by NPTEL	1 Day	0.00	0.00	NPTEL workshop
Ms. Anjali A. Jagtap	Statistical Analysis of Plant Growth and Nutritions	6 months	0.09	0.09	Working model
Ms. Anjali A. Jagtap	Home Automation using IoT	6 months	0.09	0.09	Working model
Ms. Anjali A. Jagtap	Automated Décor (Curtain)	6 months	0.09	0.09	Working model
Ms. Anjali A. Jagtap	Fish Feeder	6 months	0.09	0.09	Working model
Dr. Varsha Degaonkar	Automatic Number Plate based Boom Barrier	6 months	0.09	0.09	Working model
Dr. Varsha Degaonkar	Drone for Human Search and Rescue	6 months	0.09	0.09	Working model
Dr. Varsha Degaonkar	Drone Bird	6 months	0.09	0.09	Working model
Dr. Varsha Degaonkar	Fabrication of Micro Strip Antenna	6 months	0.09	0.09	Working model
Ms. Ashvini Kulkarni	Smart Pulley Innovations	6 months	0.09	0.09	Working model
Ms. Ashvini Kulkarni	Solar Filter	6 months	0.09	0.09	Working model
Ms. Ashvini Kulkarni	Resistor Measurement System Using Raspberry Pi	6 months	0.09	0.09	Working model
Ms. Ashvini Kulkarni	3D Scanner	6 months	0.09	0.09	Working model
			Amount received (Rs.): 5.32		

(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
Ms. Ashvini Kulkarni	Smart Wheelchair	1 year	0.05	0.05	Working model
Ms. Bhagyashri Thorat	Fire extinguisher drone	1 year	0.05	0.05	Working model
Dr. V. Rajesh Chowdhary	Smart Convyer Belt	1 year	0.05	0.05	Working model
Ms. Shweta Jain	Cost efficient EV conversion kit	1 year	0.05	0.05	Working model
Ms. Ashvini Kulkarni	Indoor positing using WIFI	1 year	0.05	0.05	Working model
Dr. S.M.M.Naidu	Instrumentation of Water Level Monitoring and its Front-End Development	1year	0.05	0.05	Working model
Dr. Varsha Degaonkar	Vehicle tracking system	1 year	0.05	0.05	Working model
Ms. Ashvini N. Kulkarni	Smart Parking System	6 months	0.03	0.03	Working model
Ms. Ashvini N. Kulkarni	Walking Cane	6 months	0.03	0.03	Working model
Ms. Ashvini N. Kulkarni	CCTV Surveillance System	6 months	0.03	0.03	Working model
Ms. Ashvini N. Kulkarni	Battery Storage/Charger By Thyristor Firing Angle Control	6 months	0.03	0.03	Working model
Ms. Ashvini N. Kulkarni	Green House Monitoring & Controlling System	6 months	0.03	0.03	Working model
Ms. Ashvini N. Kulkarni	Portable Air Cooler	6 months	0.03	0.03	Working model
Ms. Ashvini N. Kulkarni	Healthcare Socks	6 months	0.03	0.03	Working model
Ms. Ashvini N. Kulkarni	Automatic Fruit Cutter	6 months	0.03	0.03	Working model
Ms. Ashvini N. Kulkarni	Hand Muscle Pad	6 months	0.03	0.03	Working model
Ms. Ashvini N. Kulkarni	Food Delivery Robot	6 months	0.03	0.03	Working model
Ms. Ashvini N. Kulkarni	Talking Tom	6 months	0.03	0.03	Working model
Ms. Ashvini N. Kulkarni	Smart Mirror	6 months	0.03	0.03	Working model
Dr. Varsha Degaonkar	IoT Based Energy Monitoring System	6 months	0.03	0.03	Working model
Dr. Varsha Degaonkar	Medicine Dispenser	6 months	0.03	0.03	Working model
Dr. Varsha Degaonkar	Solar Grass Cutter	6 months	0.03	0.03	Working model
Dr. Varsha Degaonkar	Hearing Aid Device	6 months	0.02	0.02	Working model
Dr. Varsha Degaonkar	IoT Based Antitheft Flooring System	6 months	0.02	0.02	Working model
Dr. Varsha Degaonkar	Aqua Bot	6 months	0.03	0.03	Working model
Dr. Varsha Degaonkar	Liquid Dispensing Machine	6 months	0.02	0.02	Working model
Dr. Varsha Degaonkar	Automatic Floor Cleaner	6 months	0.02	0.02	Working model
Dr. Varsha Degaonkar	Antenna Positioning System	6 months	0.03	0.03	Working model
Dr. Varsha Degaonkar	Lab Information Robot	6 months	0.03	0.03	Working model
Dr. Varsha Degaonkar	Indoor Navigation Using ESP32	6 months	0.02	0.02	Working model
Dr. Varsha Degaonkar	Automatic Window Cleaner	6 months	0.03	0.03	Working model
Ms. Anjali A. Jagtap	Weather Monitoring Station	6 months	0.02	0.02	Working model
Ms. Anjali A. Jagtap	Portable Digital IC Tester	6 months	0.02	0.02	Working model
Ms. Anjali A. Jagtap	Color Detecting Car	6 months	0.02	0.02	Working model
Ms. Anjali A. Jagtap	Geofencing	6 months	0.02	0.02	Working model
Ms. Anjali A. Jagtap	Solar Tracking System	6 months	0.03	0.03	Working model
Ms. Anjali A. Jagtap	Illumination Information Monitor	6 months	0.02	0.02	Working model

Ms. Sujata S. Virulkar	Over Current Protection	6 months	0.02	0.02	Working model
Ms. Sujata S. Virulkar	Boolean Algrbra Calculator	6 months	0.02	0.02	Working model
Ms. Sujata S. Virulkar	SDP	6 months	0.02	0.02	Working model
Ms. Sujata S. Virulkar	Motion Sensing Notice Board	6 months	0.02	0.02	Working model
Ms. Sujata S. Virulkar	Vehicle Pollution Monitoring	6 months	0.02	0.02	Working model
Ms. Sujata S. Virulkar	E-ReBook	6 months	0.02	0.02	Working model
Ms. Anjali A. Jagtap	Air Quality Monitor	6 months	0.02	0.02	Working model
Ms. Anjali A. Jagtap	Waste Segregation System	6 months	0.02	0.02	Working model
Ms. Anjali A. Jagtap	RPM Counter	6 months	0.02	0.02	Working model
Ms. Anjali A. Jagtap	Oxiline	6 months	0.02	0.02	Working model
Ms. Anjali A. Jagtap	Wheels Detectando Color	6 months	0.02	0.02	Working model
Ms. Anjali A. Jagtap	3D Hologram	6 months	0.03	0.03	Working model
Dr. Risil Chhatrala	Pentype Digital Voltmeter	6 months	0.03	0.03	Working model
Dr. Risil Chhatrala	Snuggle Seats	6 months	0.03	0.03	Working model
Dr. Risil Chhatrala	Vending Mahine	6 months	0.03	0.03	Working model
Dr. Risil Chhatrala	Electronics Dice	6 months	0.03	0.03	Working model
Dr. Risil Chhatrala	Interface Memory Card with Arduino to Store Data	6 months	0.03	0.03	Working model
Dr. Risil Chhatrala	Vegetable Dehydrator	6 months	0.03	0.03	Working model
Dr. Varsha Degaonkar	IEEE Professional membership	1 Day	0.04	0.04	IEEE Membership
Ms. Anjali A. Jagtap	Registration fees of Journal of Geoinformatics	1 Day	0.15	0.15	Paper publication
Ms. Ashvini N. Kulkarni	Paper published in IEEE-Punecon2023 Conference	1 Day	0.04	0.04	Paper publication
Ms. Anjali A. Jagtap	Paper published in CISCT2023 Conference	1 Day	0.06	0.06	Paper publication
Ms. Anjali A. Jagtap	Copyright Published	1 Day	0.01	0.01	IPR Filling
Ms. Ashvini N. Kulkarni	Travelling expenses for OneAPI Hackathon at Banglore	1 Day	0.03	0.03	TA
			Amount received (Rs.): 1.91		

(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. S. Mohan Mahalakshmi Naidu	Firmware Development for sensor data analysis	1 year	0.04	0.04	Working model
Dr. S. Mohan Mahalakshmi Naidu	Energy monitoring system	1 year	0.05	0.05	Working model
Ms. Ashvini Kulkarni	Rover for small scale farmers	1 year	0.04	0.04	Working model
Ms. Sneha A. Pokharkar	Smart Vending Machine using RFID	1 year	0.05	0.05	Working model
Ms. Sneha A. Pokharkar	Li-ion Cell Sorting Machine	1 year	0.05	0.05	Working model
Ms. Ashvini Kulkarni	Smart Conveyor Belt	6 months	0.02	0.02	Working model
Ms. Ashvini Kulkarni	Power Mini Inverter	6 months	0.02	0.02	Working model
Ms. Sujata Virulkar	CNC Plotter Machine	6 months	0.02	0.02	Working model
Ms. Sujata Virulkar	Smart Bag	6 months	0.02	0.02	Working model
Ms. Sujata Virulkar	Sun tracking solar panel using MSP430	6 months	0.02	0.02	Working model
Ms. Sujata Virulkar	IoT based smart helmet for coal miners:Kirita	6 months	0.02	0.02	Working model
Ms. Sujata Virulkar	Affordable IC Tester	6 months	0.02	0.02	Working model
Ms. Ashvini Kulkarni	Accident alert System using MSP430	6 months	0.01	0.01	Working model
Ms. Ashvini Kulkarni	Battery Charger using SCR	6 months	0.01	0.01	Working model
Ms. Ashvini Kulkarni	Pick and Place Robot	6 months	0.01	0.01	Working model
Ms. Sujata Virulkar	Blind Stick	6 months	0.01	0.01	Working model
Ms. Sujata Virulkar	Digital Stereo amplifier using PIC18	6 months	0.01	0.01	Working model
Ms. Sujata Virulkar	Smart Wheelchair	6 months	0.01	0.01	Working model
Ms. Tanuja Shewale	Door Knock sensing dooor bell	6 months	0.01	0.01	Working model
Ms. Tanuja Shewale	Control speed of DC Motor by using Pluse width Modulation	6 months	0.02	0.02	Working model
Ms. Suvarna A. Hande	Temperature and humidity Monitoring	6 months	0.01	0.01	Working model
Ms. Suvarna A. Hande	Practical Integrator	6 months	0.01	0.01	Working model
Ms. Suvarna A. Hande	Switch mode power supply	6 months	0.02	0.02	Working model
Ms. Suvarna A. Hande	Motion Detector Sensor	6 months	0.02	0.02	Working model
Ms. Tanuja Shewale	Wireless Electricity	6 months	0.01	0.01	Working model
Ms. Tanuja Shewale	No Contact Thermometer	6 months	0.01	0.01	Working model
Ms. Suvarna A. Hande	Real time digital calender along with thought	6 months	0.01	0.01	Working model
Ms. Suvarna A. Hande	Social distancing alarm /ID Card	6 months	0.01	0.01	Working model
Ms. Tanuja Shewale	Traffic light using state machines	6 months	0.01	0.01	Working model
Ms. Tanuja Shewale	Smart Road Safety and vehical accident prevention system for mountain roads	6 months	0.02	0.02	Working model
Ms. Tanuja Shewale	Digital Claculator	6 months	0.01	0.01	Working model
Ms. Suvarna A. Hande	Solar Tracking System	6 months	0.02	0.02	Working model
Ms. Sujata Virulkar	R-PI based water cooler	6 months	0.01	0.01	Working model
Ms. Sujata Virulkar	Mouth odour maintenance and detection system	6 months	0.01	0.01	Working model
Ms. Sujata Virulkar	IoT Energy Meter	6 months	0.02	0.02	Working model
Ms. Sujata Virulkar	Vertical Farming	6 months	0.01	0.01	Working model
Ms. Ashvini Kulkarni	Anti GPS	6 months	0.01	0.01	Working model

Ms. Ashvini Kulkarni	Distance mapping and obstacle detection	6 months	0.01	0.01	Working model
Ms. Ashvini Kulkarni	Real-time pothole detection with GIS Integration	6 months	0.01	0.01	Working model
Ms. Sujata Virulkar	Home automation using HMI	6 months	0.02	0.02	Working model
Ms. Ashvini Kulkarni	Non contact AC supply detector	6 months	0.01	0.01	Working model
Ms. Ashvini Kulkarni	LIFI communication with audio sound noise detection and filtration	6 months	0.01	0.01	Working model
Ms. Ashvini Kulkarni	Wireless EV Charging Station	6 months	0.02	0.02	Working model
Ms. Ashvini Kulkarni	WSN based Smart Irrigation System	6 months	0.01	0.01	Working model
Dr. Risil Chhatrala	IoT based IV Bag Monitoring System	1 year	0.04	0.04	Working model
Mr. Prashant Ahire	Deep Water Culture Hydroponics using IoT	1 year	0.04	0.04	Working model
Mr. Prashant Ahire	IoT Based Attendance System using BLE with WI-FI Access Point	1 year	0.04	0.04	Working model
Dr. Varsha Degaonkar	IEEE workshop Agricultural Lab Ingauagration & Lab consumables	1 Day	0.03	0.03	Lab deveopment
Dr. V Rajesh Chowdhary	TIECON Pune Registration Fee	1 Day	0.35	0.35	Professional Membership Fees
Ms. Sujata Virulkar	NPTEL Exam Fee and IEEE Membership	1 Day	0.01	0.01	Professional Membership Fees
Ms. Anjali Jagtap	NPTEL Exam Fee and IEEE Membership	1 Day	0.01	0.01	Professional Membership Fees
Ms. Bhagyashri Thorat	AWS Certification	1 Day	0.02	0.02	Professional Membership Fees
Dr. V Rajesh Chowdhary	IEEE Membership	1 Day	0.02	0.02	Professional Membership Fees
Dr. Varsha Degaonkar	Registration fees for Copyright	1 Day	0.00	0.00	IPR Filling
Ms. Ashvini N. Kulkarni	Registration fees for Copyright	1 Day	0.01	0.01	IPR Filling
Ms. Bhagyashri Thorat	Registration fees for winter training school at IIT Kanpur for Python and MATLAB	1 Day	0.09	0.09	Registration fees
Ms. Ashvini N. Kulkarni	Industrial visit at GNRT,Ghodad	1 Day	0.03	0.03	Industrial Visit expenses
Ms. Anjali A. Jagtap	One day workshop at SPPU	1 Day	0.00	0.00	Registration fees
Ms. Sujata Virulkar	One day workshop at SPPU	1 Day	0.00	0.00	Registration fees
			Amount received (Rs.): 1.46		

PART D: Laboratory Infrastructure in the Department
(Data to be filled in for the Department)

Table No.D1.1: List of laboratories and technical manpower.

4	E&TC Computer Centre	20	Cost: 1128718 Major Instruments: 1. Senses Interactive Intelligent 86" Panel with Inbuilt MIC & Camera. 17 13th Gen 8GB RAM, 256GB SSD, 4TB HDD, Win 11 Pro, 4G LTE	Sem-I:28 Hrs	Mrs. Vidya Patil	Laboratory Assistant	Master of Computer Science
5	Communication Laboratory	20	Cost:2180059/- Major Instruments: 1. Tektronix Make-60MHz,2 Ch, 1 Gs/s,TFT, Digital Storage Oscilloscope(A-105) 2. 5G 30000 20MHz, 2000000000 Hz	Sem-I:08 Hrs	Mrs. Vidya Patil	Laboratory Assistant	Master of Computer Science
6	Signal Processing Laboratory	20	Cost: 1833913/- Major Instruments: 1.MATLAB, SIMULINK,5G Toolbox, Antenna Toolbox, Communications Toolbox, Computer Media Center	Sem-I:20 Hrs	Mrs. Vidya Patil	Laboratory Assistant	Master of Computer Science
7	Microcontroller & Embedded Laboratory	20	Cost: 1342985/- Major Instruments: 1.Rigol Digital Storage Oscilloscope,100MHz,1GS a/s,24 MSa/s,4EXT./DSO,Model No. DS4100Z E/C	Sem-I: 16 Hrs	Ms. Swati Jadhav	Laboratory Assistant	Bachelor of Computer App

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 and Circuit Laboratory(A-105)	1) Specific Safety Rules like Do's and Don'ts are displayed and instructed to the students. 2) Place the fire extinguisher in the right place and periodically check the expired date. 3) First aid boxes and fire extinguishers are available in the laboratory. 4) MCB board. 5) CCTV Cameras Installed in computer Lab. 6) Maintain 5S activity to avoid dumping of wastes. 7) Keep pathways clear by placing extra items (books, bags, etc.) on the shelves or under the work tables. If under the tables, make sure that these items cannot be stepped on. 8) While closing the laboratory, the lab technicians have to switch off all the electrical appliances. 9) Never bring eatables inside the laboratory. 10) The usage of cell phones is strictly prohibited. 11) The equipment's working conditions and laboratory cleanliness should be maintained by the lab technicians. 12) Damaged equipment is identified and serviced at the earliest. 13) Periodical calibration of the lab equipment is regularly done. 14) Clean and organized laboratories are maintained. 15) Appropriate storage areas are available. 16) All the electrical connections of the laboratories are properly maintained by the maintenance department. 17) Each laboratory electrical connection is provided with circuit breakers in the nearby premises. 18) All the circuit breakers and the fuses are labelled to indicate whether they are in the "on" or "off" position, and their working conditions are verified periodically by the maintenance department. 19) Equipment, appliances and extension cords are maintained in good condition and routinely dusted. 20) Each workbench/computer table is provided as a tripper to avoid shocks and overloading. 21) Internet security for all PCs and login password protection for students. 22) Fully and rightly loaded PC Systems with needed software are readily available for students' usage. 23) Damaged equipment is identified and serviced at the earliest. 24) Periodical calibration of the lab equipment is regularly done. 25) Clean and organized laboratories are maintained. 26) Appropriate storage areas are available.
2	Electrical & Power Electronics Laboratory(A-004)	1) Specific Safety Rules like Do's and Don'ts are displayed and instructed to the students. 2) Place the fire extinguisher in the right place and periodically check the expired date. 3) First aid boxes and fire extinguishers are available in the laboratory. 4) MCB board. 5) CCTV Cameras Installed in computer Lab. 6) Maintain 5S activity to avoid dumping of wastes. 7) Keep pathways clear by placing extra items (books, bags, etc.) on the shelves or under the work tables. If under the tables, make sure that these items cannot be stepped on. 8) While closing the laboratory, the lab technicians have to switch off all the electrical appliances. 9) Never bring eatables inside the laboratory. 10) The usage of cell phones is strictly prohibited. 11) The equipment's working conditions and laboratory cleanliness should be maintained by the lab technicians. 12) Damaged equipment is identified and serviced at the earliest. 13) Periodical calibration of the lab equipment is regularly done. 14) Clean and organized laboratories are maintained. 15) Appropriate storage areas are available. 16) All the electrical connections of the laboratories are properly maintained by the maintenance department. 17) Each laboratory electrical connection is provided with circuit breakers in the nearby premises. 18) All the circuit breakers and the fuses are labelled to indicate whether they are in the "on" or "off" position, and their working conditions are verified periodically by the maintenance department. 19) Equipment, appliances and extension cords are maintained in good condition and routinely dusted. 20) Each workbench/computer table is provided as a tripper to avoid shocks and overloading. 21) Internet security for all PCs and login password protection for students. 22) Fully and rightly loaded PC Systems with needed software are readily available for students' usage. 23) Damaged equipment is identified and serviced at the earliest. 24) Periodical calibration of the lab equipment is regularly done. 25) Clean and organized laboratories are maintained. 26) Appropriate storage areas are available.

3	Microcontroller & Embedded Laboratory(A-006)	1) Specific Safety Rules like Do's and Don'ts are displayed and instructed to the students. 2) Place the fire extinguisher in the right place and periodically check the expired date. 3) First aid boxes and fire extinguishers are available in the laboratory. 4) MCB board. 5) CCTV Cameras Installed in computer Lab. 6) Maintain 5S activity to avoid dumping of wastes. 7) Keep pathways clear by placing extra items (books, bags, etc.) on the shelves or under the work tables. If under the tables, make sure that these items cannot be stepped on. 8) While closing the laboratory, the lab technicians have to switch off all the electrical appliances. 9) Never bring eatables inside the laboratory. 10) The usage of cell phones is strictly prohibited. 11) The equipment's working conditions and laboratory cleanliness should be maintained by the lab technicians. 12) Damaged equipment is identified and serviced at the earliest. 13) Periodical calibration of the lab equipment is regularly done. 14) Clean and organized laboratories are maintained. 15) Appropriate storage areas are available. 16) All the electrical connections of the laboratories are properly maintained by the maintenance department. 17) Each laboratory electrical connection is provided with circuit breakers in the nearby premises. 18) All the circuit breakers and the fuses are labelled to indicate whether they are in the "on" or "off" position, and their working conditions are verified periodically by the maintenance department. 19) Equipment, appliances and extension cords are maintained in good condition and routinely dusted. 20) Each workbench/computer table is provided as a tripper to avoid shocks and overloading. 21) Internet security for all PCs and login password protection for students. 22) Fully and rightly loaded PC Systems with needed software are readily available for students' usage. 23) Damaged equipment is identified and serviced at the earliest. 24) Periodical calibration of the lab equipment is regularly done. 25) Clean and organized laboratories are maintained. 26) Appropriate storage areas are available.
4	Digital and VLSI Laboratory(A-104)	1) Specific Safety Rules like Do's and Don'ts are displayed and instructed to the students. 2) Place the fire extinguisher in the right place and periodically check the expired date. 3) First aid boxes and fire extinguishers are available in the laboratory. 4) MCB board. 5) CCTV Cameras Installed in computer Lab. 6) Maintain 5S activity to avoid dumping of wastes. 7) Keep pathways clear by placing extra items (books, bags, etc.) on the shelves or under the work tables. If under the tables, make sure that these items cannot be stepped on. 8) While closing the laboratory, the lab technicians have to switch off all the electrical appliances. 9) Never bring eatables inside the laboratory. 10) The usage of cell phones is strictly prohibited. 11) The equipment's working conditions and laboratory cleanliness should be maintained by the lab technicians. 12) Damaged equipment is identified and serviced at the earliest. 13) Periodical calibration of the lab equipment is regularly done. 14) Clean and organized laboratories are maintained. 15) Appropriate storage areas are available. 16) All the electrical connections of the laboratories are properly maintained by the maintenance department. 17) Each laboratory electrical connection is provided with circuit breakers in the nearby premises. 18) All the circuit breakers and the fuses are labelled to indicate whether they are in the "on" or "off" position, and their working conditions are verified periodically by the maintenance department. 19) Equipment, appliances and extension cords are maintained in good condition and routinely dusted. 20) Each workbench/computer table is provided as a tripper to avoid shocks and overloading. 21) Internet security for all PCs and login password protection for students. 22) Fully and rightly loaded PC Systems with needed software are readily available for students' usage. 23) Damaged equipment is identified and serviced at the earliest. 24) Periodical calibration of the lab equipment is regularly done. 25) Clean and organized laboratories are maintained. 26) Appropriate storage areas are available.
5	E&TC Computer Centre(A-107)	1) Specific Safety Rules like Do's and Don'ts are displayed and instructed to the students. 2) Place the fire extinguisher in the right place and periodically check the expired date. 3) First aid boxes and fire extinguishers are available in the laboratory. 4) MCB board. 5) CCTV Cameras Installed in computer Lab. 6) Maintain 5S activity to avoid dumping of wastes. 7) Keep pathways clear by placing extra items (books, bags, etc.) on the shelves or under the work tables. If under the tables, make sure that these items cannot be stepped on. 8) While closing the laboratory, the lab technicians have to switch off all the electrical appliances. 9) Never bring eatables inside the laboratory. 10) The usage of cell phones is strictly prohibited. 11) The equipment's working conditions and laboratory cleanliness should be maintained by the lab technicians. 12) Damaged equipment is identified and serviced at the earliest. 13) Periodical calibration of the lab equipment is regularly done. 14) Clean and organized laboratories are maintained. 15) Appropriate storage areas are available. 16) All the electrical connections of the laboratories are properly maintained by the maintenance department. 17) Each laboratory electrical connection is provided with circuit breakers in the nearby premises. 18) All the circuit breakers and the fuses are labelled to indicate whether they are in the "on" or "off" position, and their working conditions are verified periodically by the maintenance department. 19) Equipment, appliances and extension cords are maintained in good condition and routinely dusted. 20) Each workbench/computer table is provided as a tripper to avoid shocks and overloading. 21) Internet security for all PCs and login password protection for students. 22) Fully and rightly loaded PC Systems with needed software are readily available for students' usage. 23) Damaged equipment is identified and serviced at the earliest. 24) Periodical calibration of the lab equipment is regularly done. 25) Clean and organized laboratories are maintained. 26) Appropriate storage areas are available.
6	Communication Laboratory(A-115)	1) Specific Safety Rules like Do's and Don'ts are displayed and instructed to the students. 2) Place the fire extinguisher in the right place and periodically check the expired date. 3) First aid boxes and fire extinguishers are available in the laboratory. 4) MCB board. 5) CCTV Cameras Installed in computer Lab. 6) Maintain 5S activity to avoid dumping of wastes. 7) Keep pathways clear by placing extra items (books, bags, etc.) on the shelves or under the work tables. If under the tables, make sure that these items cannot be stepped on. 8) While closing the laboratory, the lab technicians have to switch off all the electrical appliances. 9) Never bring eatables inside the laboratory. 10) The usage of cell phones is strictly prohibited. 11) The equipment's working conditions and laboratory cleanliness should be maintained by the lab technicians. 12) Damaged equipment is identified and serviced at the earliest. 13) Periodical calibration of the lab equipment is regularly done. 14) Clean and organized laboratories are maintained. 15) Appropriate storage areas are available. 16) All the electrical connections of the laboratories are properly maintained by the maintenance department. 17) Each laboratory electrical connection is provided with circuit breakers in the nearby premises. 18) All the circuit breakers and the fuses are labelled to indicate whether they are in the "on" or "off" position, and their working conditions are verified periodically by the maintenance department. 19) Equipment, appliances and extension cords are maintained in good condition and routinely dusted. 20) Each workbench/computer table is provided as a tripper to avoid shocks and overloading. 21) Internet security for all PCs and login password protection for students. 22) Fully and rightly loaded PC Systems with needed software are readily available for students' usage. 23) Damaged equipment is identified and serviced at the earliest. 24) Periodical calibration of the lab equipment is regularly done. 25) Clean and organized laboratories are maintained. 26) Appropriate storage areas are available.

7	Signal Processing Laboratory(A-112)	1) Specific Safety Rules like Do's and Don'ts are displayed and instructed to the students. 2) Place the fire extinguisher in the right place and periodically check the expired date. 3) First aid boxes and fire extinguishers are available in the laboratory. 4) MCB board. 5) CCTV Cameras Installed in computer Lab. 6) Maintain 5S activity to avoid dumping of wastes. 7) Keep pathways clear by placing extra items (books, bags, etc.) on the shelves or under the work tables. If under the tables, make sure that these items cannot be stepped on. 8) While closing the laboratory, the lab technicians have to switch off all the electrical appliances. 9) Never bring eatables inside the laboratory. 10) The usage of cell phones is strictly prohibited. 11) The equipment's working conditions and laboratory cleanliness should be maintained by the lab technicians. 12) Damaged equipment is identified and serviced at the earliest. 13) Periodical calibration of the lab equipment is regularly done. 14) Clean and organized laboratories are maintained. 15) Appropriate storage areas are available. 16) All the electrical connections of the laboratories are properly maintained by the maintenance department. 17) Each laboratory electrical connection is provided with circuit breakers in the nearby premises. 18) All the circuit breakers and the fuses are labelled to indicate whether they are in the "on" or "off" position, and their working conditions are verified periodically by the maintenance department. 19) Equipment, appliances and extension cords are maintained in good condition and routinely dusted. 20) Each workbench/computer table is provided as a tripper to avoid shocks and overloading. 21) Internet security for all PCs and login password protection for students. 22) Fully and rightly loaded PC Systems with needed software are readily available for students' usage. 23) Damaged equipment is identified and serviced at the earliest. 24) Periodical calibration of the lab equipment is regularly done. 25) Clean and organized laboratories are maintained. 26) Appropriate storage areas are available.
8	Project & Design Laboratory (A-102)	1) Specific Safety Rules like Do's and Don'ts are displayed and instructed to the students. 2) Place the fire extinguisher in the right place and periodically check the expired date. 3) First aid boxes and fire extinguishers are available in the laboratory. 4) MCB board. 5) CCTV Cameras Installed in computer Lab. 6) Maintain 5S activity to avoid dumping of wastes. 7) Keep pathways clear by placing extra items (books, bags, etc.) on the shelves or under the work tables. If under the tables, make sure that these items cannot be stepped on. 8) While closing the laboratory, the lab technicians have to switch off all the electrical appliances. 9) Never bring eatables inside the laboratory. 10) The usage of cell phones is strictly prohibited. 11) The equipment's working conditions and laboratory cleanliness should be maintained by the lab technicians. 12) Damaged equipment is identified and serviced at the earliest. 13) Periodical calibration of the lab equipment is regularly done. 14) Clean and organized laboratories are maintained. 15) Appropriate storage areas are available. 16) All the electrical connections of the laboratories are properly maintained by the maintenance department. 17) Each laboratory electrical connection is provided with circuit breakers in the nearby premises. 18) All the circuit breakers and the fuses are labelled to indicate whether they are in the "on" or "off" position, and their working conditions are verified periodically by the maintenance department. 19) Equipment, appliances and extension cords are maintained in good condition and routinely dusted. 20) Each workbench/computer table is provided as a tripper to avoid shocks and overloading. 21) Internet security for all PCs and login password protection for students. 22) Fully and rightly loaded PC Systems with needed software are readily available for students' usage. 23) Damaged equipment is identified and serviced at the earliest. 24) Periodical calibration of the lab equipment is regularly done. 25) Clean and organized laboratories are maintained. 26) Appropriate storage areas are available.

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*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) +(NS2*0.2))/RF
2023-24(CAYm2)	360	18	10	8	53
2024-25(CAYm1)	360	18	11	10	60
2025-26(CAY)	360	18	9	9	50

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

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

Items	Budgeted in 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	12180000	11597463	9180000	8698307	9010000	8459657	3240000	3131638

Library	1230000	1195129	1570000	1523533	790000	762655	840000	800437
Laboratory equipment	8000000	7579442	7870000	7435904	4680000	4408234	8900000	8382804
Teaching and non-teaching staff salary	119250000	118225156	106620000	104261497	92420000	91158008	69410000	68692586
Outreach Programs	70000	2836994	47044	45431	100000	97496	90000	82869
R&D	2000000	1881822	1880000	1767409	1470000	1376003	1480000	1390864
Training, Placement and Industry linkage	1970000	1887644	1500000	1433455	690000	673101	170000	168952
SDGs	580000	548172	550000	522720	510000	489339	350000	333727
Entrepreneurship	20000	16870	90000	87633	50000	0	50000	52000
Others, specify	32160000	31743024	37400000	38012393	36660000	36009861	40050000	40825232
Total	177460000	177511716	166707044	163788282	146380000	143434354	124580000	123861109

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	1320000	1297333	2940000	2798823	1550000	1457571	1175000	1137224
Software	10000	9178	100000	97598	20000	17386	0	0
SDGs	0	0	0	0	0	0	0	0
Support for faculty development	70000	36351	70000	69324	70000	43755	70000	64416
R & D	1490000	1652500	1490000	1571169	1340000	1272528	1280000	1192431
Industrial Training, Industry expert, Internship	130000	113512	130000	126100	180000	170772	38000	27115
Miscellaneous Expenses*	160000	161778	30000	30719	310000	298112	60000	59098
Total	3180000	3270652	4760000	4693733	3470000	3260124	2623000	2480284