NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electronics & Instrumentation Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 11376	**Date of Submission**: 29-10-2026

PART A- Profile of the Institute

A1.Name of the Institute: ERODE SENGUNTHAR ENGINEERING COLLEGE	
Year of Establishment : 1995	Location of the Institute: THUDUPATHI
A2. Institute Address:THUDUPATHI POST, PERUNDURAI TALUK	
City:Erode	State:Tamil Nadu
Pin Code:638057	Website:www.erodesengunthar.ac.in
Email:contact@esec.ac.in	Phone No(with STD Code):04294-232701
A3. Name and Address of the Affiliating University (if any):	
Name of the University : ANNA UNIVERSITY OF TECHNOLOGY, CHENNAI	City: Chennai
State : Tamil Nadu	Pin Code: 600025
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: **17**
- No. of PG programs: **10**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Computer Application	PG	Master in Computer Applications	2004	--	Computer Application
2	Engineering & Technology	UG	Agricultural Engineering	2020	--	Agricultural Engineering
3	Engineering & Technology	PG	Applied Electronics	2013	--	Electronics and Communication Engineering
4	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Computer Science and Engineering
5	Engineering & Technology	UG	Biomedical Engineering	2018	--	Biomedical Engineering
6	Engineering & Technology	UG	Biotechnology	2023	--	Biotechnology
7	Engineering & Technology	PG	Chemical Engineering	2018	--	Chemical Engineering
8	Engineering & Technology	UG	Chemical Engineering	1996	--	Chemical Engineering
9	Engineering & Technology	UG	Civil Engineering	2002	--	Civil Engineering
10	Engineering & Technology	UG	Computer Science and Design	2021	--	Computer Science and Engineering

11	Engineering & Technology	UG	Computer Science and Engineering	1999	--	Computer Science and Engineering
12	Engineering & Technology	PG	Computer Science and Engineering	2011	--	Computer Science and Engineering
13	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2024	--	Computer Science and Engineering
14	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2024	--	Computer Science and Engineering
15	Engineering & Technology	UG	Computer Science and Engineering (Internet of Things)	2025	--	Computer Science and Engineering
16	Engineering & Technology	UG	Electrical and Electronics Engineering	1996	--	Electrical and Electronics Engineering
17	Engineering & Technology	UG	Electronics & Communication Engineering	2000	--	Electronics and Communication Engineering
18	Engineering & Technology	UG	Electronics & Instrumentation Engineering	2001	--	Electronics and Instrumentation Engineering
19	Engineering & Technology	PG	Environmental Engineering	2012	--	Civil Engineering
20	Engineering & Technology	PG	Industrial Safety Engineering	2018	--	Mechanical Engineering
21	Engineering & Technology	UG	Information Technology	2019	--	Information Technology
22	Engineering & Technology	PG	Manufacturing Engineering	2004	--	Mechanical Engineering
23	Engineering & Technology	UG	Mechanical Engineering	1996	--	Mechanical Engineering
24	Engineering & Technology	PG	Power Electronics and Drives	2012	--	Electrical and Electronics Engineering
25	Engineering & Technology	UG	Robotics and Automation	2020	--	Robotics and Automation
26	Engineering & Technology	PG	Structural Engineering	2023	--	Civil Engineering
27	Management	PG	Master of Business Administration	2008	--	Management

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Electronics and Instrumentation Engineering	Yes	Electronics & Instrumentation Engineering	UG

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.
Cluster ID. Name of the Department (in table no. A7.1) Name of allied Departments/Cluster (for table no. A7.1)

Allied Department/Cluster Name	Program Name	Program Level
Electronics and Communication Engineering	Electronics & Communication Engineering	UG
Electronics and Communication Engineering	Applied Electronics	PG

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	PROGRA DURATIC
1	Electronics & Instrumentation Engineering	UG	2001 / --	40	Yes	2019	30	2019	Southern/1-4266315541/2019/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	3	4

List of the Allied Departments/Cluster and Programs:

SR.NO.	ALLIED DEPARTMENT NAME	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGI ACCRI
1	Electronics and Communication Engineering	Electronics & Communication Engineering	UG	2000 / --	60	Yes	2025	180	2025	Southern/1-44643714103/2025/EOA	Granted accreditation for 3 years for the period (specify period)	2022	2025	0

Sanctioned Intake for Last Five Years for the Electronics & Communication Engineering	
Academic Year	**Sanctioned Intake**
2025-26	180
2024-25	120
2023-24	120
2022-23	120
2021-22	90
2020-21	90

2	Electronics and Communication Engineering	Applied Electronics	PG	2013 / --	18	Yes	2025	12	2025	F.No. Southern/1-44643714103/2025/EOA Dt. 10.04.2025	Not eligible for accreditation	--	--	0

SR.NO.	ALLIED DEPARTMENT NAME	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGI ACCRI

Sanctioned Intake for Last Five Years for the Applied Electronics	
Academic Year	**Sanctioned Intake**
2025-26	12
2024-25	18
2023-24	18
2022-23	18
2021-22	18
2020-21	18

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

A. Name of the HoD :	Dr S SOBANA
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	30	30	30	30
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	30	27	30	23	21	17
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	1	6	0	0	3	1
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	33	30	23	24	18

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	30	0	100.00
2023-24 (CAYm2)	30	27	0	90.00

Average [(ER1 + ER2 + ER3) / 3] = 96.67≡ 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).	30.00	33.00	31.00
B=No. of students who graduated from the program in the stipulated course duration	19.00	19.00	17.00
Success Rate (SR)= (B/A) * 100	63.33	57.58	54.84

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 58.58

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)	7.22	7.32	7.68
Y=Total no. of successful students	31.00	27.00	28.00
Z=Total no. of students appeared in the examination	31.00	27.00	28.00
API [X*(Y/Z)]	7.22	7.32	7.68

Average API[(AP1+AP2+AP3)/3] : 7.41

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)	7.33	7.70	7.33
Y=Total no. of successful students	31.00	26.00	20.00
Z=Total no. of students appeared in the examination	31.00	26.00	21.00
API [X * (Y/Z)]	7.33	7.70	6.98

Average API [(AP1 + AP2 + AP3)/3] : 7.34

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)	7.61	7.35	8.34
Y=Total no. of successful students	25.00	20.00	19.00
Z=Total no. of students appeared in the examination	26.00	20.00	20.00

API [X*(Y/Z)]:	7.32	7.35	7.92

Average API [(AP1 + AP2 + AP3)/3] : 7.53

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	30.00	33.00	31.00
X=No. of students placed	20.00	22.00	17.00
Y=No. of students admitted to higher studies	1.00	1.00	0.00
Z= No. of students taking up entrepreneurship	0.00	0.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	70.00	69.70	58.06

Average Placement Index = (P_1 + P_2 + P_3)/3: 65.92 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	E SATHISH	XXXXXXX79E	M.E.	ANNA UNIVERSITY	CONTROL AND INSTRUMENTATION	03/06/2013	12.6	Assistant Professor	Assistant Professor		Regular	Yes		No
2	P SURESHKUMAR	XXXXXXX54G	M.E.	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	30/04/2009	16.7	Assistant Professor	Assistant Professor		Regular	Yes		No
3	Dr C LAKSHMANPRIYA	XXXXXXX76D	Ph.D	ANNA UNIVERSITY	INDUSTRIAL ENGINEERING	25/06/2025	0.5	Associate Professor	Associate Professor	25/06/2025	Regular	Yes		No
4	S PRIYA	XXXXXXX25N	M.E.	ANNA UNIVERSITY	CONTROL AND INSTRUMENTATION	25/06/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
5	G REVATHY	XXXXXXX52B	M.E.	ANNA UNIVERSITY	CONTROL AND INSTRUMENTATION	03/06/2013	11	Assistant Professor	Assistant Professor		Regular	No	10/06/2024	No
6	Dr P SENTHILKUMAR	XXXXXXX60N	Ph.D	KALASILINGAM ACADEMY OF RESEARCH END EDUCATION	INSTRUMENTATION AND CONTROL	01/07/2021	3.11	Assistant Professor	Associate Professor	02/05/2024	Regular	No	25/06/2025	No

7	Dr S SOBANA	XXXXXXX77E	Ph.D	ANNA UNIVERSITY	PROCESS CONTROL	13/07/2022	3.5	Professor	Professor	13/07/2022	Regular	Yes		Yes
8	Dr T MARIS MURUGAN	XXXXXXX34N	Ph.D	ANNA UNIVERSITY	PROCESS DYNAMICS AND CONTROL	20/12/2010	14.9	Lecturer	Associate Professor	01/01/2018	Regular	No	30/09/2025	No
9	C JAYABHARATHI	XXXXXXX62E	M.E.	ANNA UNIVERSITY	CONTROL AND INSTRUMENTATION	13/07/2022	1.11	Assistant Professor	Assistant Professor		Regular	No	10/07/2024	No
10	Dr P ELAMURUGAN	XXXXXXX63Q	Ph.D	ANNA UNIVERSITY	ELECTRICAL ENGINEERING	01/03/2023	0.11	Associate Professor	Associate Professor	01/03/2023	Regular	No	05/02/2024	No
11	Dr L MOHANA KANNAN	XXXXXXX33R	Ph.D	ANNA UNIVERSITY	VLSI DESIGN	08/07/2024	1.5	Associate Professor	Associate Professor	08/07/2024	Regular	Yes		No
12	A. AMARNATH KUMARAN	XXXXXXX34L	M.E.	ANNA UNIVERSITY	CONTROL AND INSTRUMENTATION	22/09/2023	2.2	Assistant Professor	Assistant Professor		Regular	Yes		No
13	P. SAPTHIKA PARTHI	XXXXXXX26F	M.E.	ANNA UNIVERSITY	APPLIED ELECTRONICS	26/02/2024	1.9	Assistant Professor	Assistant Professor		Regular	Yes		No
14	MOHANAPRIYA P	XXXXXXX68C	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	10/07/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No

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

Sr.No	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	M.KARTHIKKUMAR	XXXXXXX73L	XXXXXXXXX879	M.E.	ANNA UNIVERSITY	VLSI DESIGN	12/07/2013	12.5	Assistant Professor	Assistant Professor		Regular	Yes		No
2	Dr.V.THAMIZHARASAN	XXXXXXX57N	XXXXXXXXX124	Ph.D	ANNA UNIVERSITY	VLSI DESIGN	07/07/2010	15.5	Assistant Professor	Associate Professor	01/07/2023	Regular	Yes		No
3	S.DIVYA	XXXXXXX34L	XXXXXXXXX796	M.E.	ANNA UNIVERSITY	APPLIED ELECTRONICS	02/07/2018	7.5	Assistant Professor	Assistant Professor		Regular	Yes		No
4	M A ASUVANTI	XXXXXXX54R	XXXXXXXXX216	M.E.	ANNA UNIVERSITY	VLSI DESIGN	01/07/2021	4.5	Assistant Professor	Assistant Professor		Regular	Yes		No
5	C MEKALA	XXXXXXX92G	XXXXXXXXX579	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	01/07/2021	4.5	Assistant Professor	Assistant Professor		Regular	Yes		No
6	K R PRIYADHARSHINI	XXXXXXX21C	XXXXXXXXX323	M.E.	ANNA UNIVERSITY	VLSI DESIGN	07/04/2022	3.8	Assistant Professor	Assistant Professor		Regular	Yes		No
7	E L DHIVYA PRIYA	XXXXXXX69B	XXXXXXXXX292	M.E.	ANNA UNIVERSITY	VLSI DESIGN	01/07/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
8	S GLADSON	XXXXXXX53J	XXXXXXXXX976	M.Tech	SATHYABAMA UNIVERSITY	VLSI DESIGN	11/07/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No

9	R SAVITHA	XXXXXXX73K	XXXXXXXXX051	M.E.	ANNA UNIVERSITY	VLSI DESIGN	27/07/2022	3.4	Assistant Professor	Assistant Professor		Regular	Yes		No
10	N R RAGHAPRIYA	XXXXXXX66E	XXXXXXXXX319	M.E.	ANNA UNIVERSITY	EMBEDDED SYSTEMS TECHNOLOGIES	27/07/2022	3.4	Assistant Professor	Assistant Professor		Regular	Yes		No
11	N GOMATHI	XXXXXXX95G	XXXXXXXXX230	M.E.	ANNA UNIVERSITY	VLSI DESIGN	24/08/2022	3.3	Assistant Professor	Assistant Professor		Regular	Yes		No
12	J S SARANYANIVASINI	XXXXXXX57Q	XXXXXXXXX199	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	07/06/2023	2.6	Assistant Professor	Assistant Professor		Regular	Yes		No
13	D VIJI	XXXXXXX23K	XXXXXXXXX523	M.Tech	PRIST UNIVERSITY	EMBEDDED SYSTEMS	09/06/2023	2.6	Assistant Professor	Assistant Professor		Regular	Yes		No
14	N SAKTHIVEL	XXXXXXX96D	XXXXXXXXX979	M.E.	SATHYABAMA UNIVERSITY	APPLIED ELECTRONICS	13/05/2024	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
15	G AMSAVENI	XXXXXXX28G	XXXXXXXXX215	M.E.	ANNA UNIVERSITY	APPLIED ELECTRONICS	10/02/2025	0.10	Assistant Professor	Assistant Professor		Regular	Yes		No
16	S VIDHYA	XXXXXXX83G	XXXXXXXXX388	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	16/06/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
17	G MOKANA	XXXXXXX70R	XXXXXXXXX059	M.E.	ANNA UNIVERSITY	APPLIED ELECTRONICS	25/06/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
18	L M JAYAPRABHAKAR	XXXXXXX94B	XXXXXXXXX211	M.E.	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	01/07/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
19	M BALAMURUGAN	XXXXXXX01D	NA	M.E.	ANNA UNIVERSITY	APPLIED ELECTRONICS	01/07/2021	3.2	Assistant Professor	Assistant Professor		Regular	No	24/09/2024	No
20	C RAJU	XXXXXXX60E	XXXXXXXXX371	M.E.	ANNA UNIVERSITY	COMMUNICATION ENGINEERING	02/07/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
21	J JASMIN SHIFA	XXXXXXX97G	NA	M.E.	ANNA UNIVERSITY	VLSI DESIGN	13/09/2022	3.3	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Dr S KARTHICK	XXXXXXX34H	18482978592	Ph.D	ANNA UNIVERSITY	APPLIED ELECTRONICS	01/02/2019	6.10	Associate Professor	Professor	01/02/2023	Regular	Yes		No
23	Dr M SUNDARAM	XXXXXXX42J	XXXXXXXXX043	Ph.D	ANNA UNIVERSITY	COMMUNICATION SYSTEMS ENGINEERING	01/02/2021	4.10	Professor	Professor	01/02/2021	Regular	Yes		No
24	Dr R KALAIVANI	XXXXXXX58L	XXXXXXXXX604	Ph.D	ANNA UNIVERSITY	MICROWAVE AND OPTICAL ENGINEERING	07/08/2002	23.4	Assistant Professor	Professor	01/01/2018	Regular	Yes		No
25	Dr S BHARATHIDASAN	XXXXXXX35B	XXXXXXXXX376	Ph.D	ANNA UNIVERSITY	APPLIED ELECTRONICS	16/02/2022	3.9	Associate Professor	Associate Professor	16/02/2022	Regular	Yes		No
26	Dr R VADIVELU	XXXXXXX43D	NA	Ph.D	ANNA UNIVERSITY	MICROWAVE AND RADAR SYSTEMS	11/12/2023	1.5	Professor	Professor	11/12/2023	Regular	No	31/05/2025	No
27	Dr S POORANI	XXXXXXX73N	NA	Ph.D	ANNA UNIVERSITY	CONTROL SYSTEMS	01/06/2018	7.6	Professor	Professor	01/06/2018	Regular	Yes		No

28	V.GAYATHRI	XXXXXXX29M	XXXXXXXXX691	M.E.	ANNA UNIVERSITY	Communication Systems	15/07/2024	1.5	Assistant Professor	Assistant Professor		Regular	Yes		No
29	S.V. SAVEEITHAA	XXXXXXX40K	XXXXXXXXX882	M.E.	ANNA UNIVERSITY	VLSI DESIGN	25/03/2024	1.8	Assistant Professor	Assistant Professor		Regular	Yes		No
30	K. ARUN KUMAR	XXXXXXX32C	NA	M.E.	ANNA UNIVERSITY	Communication Systems	14/06/2024	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
31	D. LINETT SOPHIA	XXXXXXX49G	XXXXXXXXX855	M.E.	ST PETERS UNIVERSITY	APPLIED ELECTRONICS	01/09/2023	2.3	Assistant Professor	Assistant Professor		Regular	Yes		No
32	V.VENKATESHWARAN	XXXXXXX21P	NA	M.E.	ANNA UNIVERSITY	VLSI DESIGN	03/02/2020	4.4	Assistant Professor	Assistant Professor		Regular	No	28/06/2024	No
33	N.PARTHIBAN	XXXXXXX26M	NA	M.E.	ANNA UNIVERSITY	APPLIED ELECTRONICS	11/03/2020	4.2	Assistant Professor	Assistant Professor		Regular	No	30/05/2024	No

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):
UG1=1st UG program
UGn=nth UG program
B= No. of Students in UG 2nd year (ST)
C= No. of Students in UG 3rd year (ST)
D= No. of Students in UG 4th year (ST)
No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):
PG1=1st PG program.
PGm=mth PG program
A= No. of Students in PG 1st year
B= No. of Students in PG 2nd year
Student Faculty Ratio **(SFR)** = S/F
S= No. of students of all programs in the Department including all students of allied departments/clusters.
No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)
Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.
F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

No. of UG Programs in the 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	31	33	33
UG1.C	33	33	30
UG1.D	33	30	33
UG1: Electronics & Instrumentation Engineering	**97**	**96**	**96**
UG2.B	122	124	128
UG2.C	124	128	99
UG2.D	128	99	99
UG2: Electronics & Communication Engineering	**374**	**351**	**326**
UG3.B	32	31	30
UG3.C	31	30	31

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG3.D	30	31	66
UG3: Robotics and Automation	**93**	**92**	**127**
PG1.A	12	18	18
PG1.B	18	18	18
PG1: Applied Electronics	**30**	**36**	**36**
DS=Total no. of students in all UG and PG programs in the Department	97	96	96
AS=Total no. of students of all UG and PG programs in allied departments	404	387	362
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 501	**S2=** 483	**S3=** 458
DF=Total no. of faculty members in the Department	9	8	7
AF= Total no. of faculty members in the allied Departments	29	25	22
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 38	**F2=** 33	**F3=** 29
FF=The faculty members in F who have a 100% teaching load in the first-year courses	4	4	3
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 14.74**	**SFR2= 16.66**	**SFR3= 17.62**
Average SFR for 3 years	**SFR= 16.34**		

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)	13	54	51.00	16.96
2024-25(CAYm1)	15	44	46.00	17.72
2023-24(CAYm2)	11	43	44.00	16.02

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	5.00	6.00	11.00	7.00	34.00	54.00
2024-25	5.00	8.00	10.00	8.00	31.00	44.00
2023-24	4.00	7.00	9.00	4.00	29.00	43.00
Average	RF1=4.67	AF1=7.00	RF2=10.00	AF2=6.33	RF2=31.33	AF2=47.00

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	Manoj S S	Industrial Safety Engineer	Milky Mist, Perundurai	Process Control	25.00
2	Manoj S S	Industrial Safety Engineer	Milky Mist, Perundurai	Industrial Instrumentation-I	25.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Gokul Kannan Nachimuthu	Deputy Manager - Technical Operations	Milky Mist, Perunduari	Automatic Control Systems	30.00
2	Gokul Kannan Nachimuthu	Deputy Manager - Technical Operations	Milky Mist, Perunduari	Industrial Automation	30.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Manoj S S	Industrial Safety Engineer	Milky Mist, Perundurai	Analytical Instruments	30.00
2	Manoj S S	Industrial Safety Engineer	Milky Mist, Perundurai	Thermal Power Plant Engineering	25.00

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	5	4	4
2	No. of peer reviewed conference papers published	13	11	9
3	No. of books/book chapters published	4	4	3

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.L.Mohana Kannan		Electronics and Instrumentation Engineering	Smart Irrigation System Using Soil Moisture and Weather Sensors	MobiTech wireless Solution Pvt., Ltd., Perundurai	3 Months	1.57
Mr.A.Amarnath Kumaran		Electronics and Instrumentation Engineering	Smart Gas Leakage Detection and Automatic Shutoff System	InoX- Bio Gas Plant, SIPCOT, Perundurai	3 Months	2.49
						Amount received (Rs.):4.06

(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.P.Senthilkumar	Mr.E.Sathish	Electronics and Instrumentation Engineering	IoT-Based Public Toilet Monitoring System	Milky Mist, Perundurai	6 Months	2.81
						Amount received (Rs.):2.81

(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.P.Elamurugan	Mr.P.Sureshkumar	Electronics and Instrumentation Engineering	Low-Cost Vital Parameter Monitoring Device for Primary Health Centers	Senthil Multi- Speciality Hospital, Erode	5 Months	1.17
Ms.C.Jayabharathi	Mr.E.Sathish	Electronics and Instrumentation Engineering	Smart Attendance and Safety System for Schools	Kongu Matric, Hr. Sec School, Perundurai	3 Months	1.20
						Amount received (Rs.):2.37

Total Amount (Lacs) Received for the Past 3 Years: 9.24

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.T.Maris Murugan	Mr.P.Sureshkumar	Electronics and Instrumentation Engineering	Smart Surface Crack Detection and Repair Robot	JaiShanth Automation, Chennai	5 Months	2.34
Dr.L.Mohanakannan		Electronics and Instrumentation Engineering	Cloud Enabled Industrial Data Monitoring and Control Using one M2M	Agile Electromechanical Contracting Ltd.,Chennai	6 Months	3.00
Mr.E.Sathish	Mr.A.Amarnath Kumaran	Electronics and Instrumentation Engineering	Product Color Detection and Segregation for Industrial Automation	Pova Calibration, Coimbatore	6 Months	1.86
Ms.P.Sapthika Parthi		Electronics and Instrumentation Engineering	IoT Enabled Web Application for Women's Safety	Effica Automation, Coimbatore	5 Months	0.87
						Amount received (Rs.):8.07

(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.T.MarisMurugan	Mr.E.Sathish	Electronics and Instrumentation Engineering	Oxygen Gas Monitoring and Control In Pharma Industries	Crest Instruments, Chennai	7 Months	3.60
Dr.P.Senthilkumar		Electronics and Instrumentation Engineering	Design and Installation of Smart Flow Measurement System	Vi-Microsystems, Chennai	5 Months	1.50
Mr.A.Amarnath Kumaran	Ms.G.Revathy	Electronics and Instrumentation Engineering	Surveillance Robot	Peak Automation	6 Months	0.81
Mr.P.Suresh Kumar	Ms.P.Sapthika Parthi	Electronics and Instrumentation Engineering	Retrofit of Conventional Relay Control Panels to PLC-Based Smart System	Sara Automation, Coimbatore	5 Months	2.00
						Amount received (Rs.):7.91

(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.S.Sobana	Ms.C.Jayabharathi	Electronics and Instrumentation Engineering	Electric Vehicle Battery Management System	Sri Sai Power and Equipments, Pvt., Ltd.	5 Months	2.20
Dr.P.Elamurugan	Mr.E.Sathish	Electronics and Instrumentation Engineering	Real-Time Data Acquisition and Supervisory Control System	Nissi Engineering Solutions, Chennai	6 Months	2.09
G.Revathy	P.Sureshkumar	Electronics and Instrumentation Engineering	Industrial Motor Control Center (MCC) Automation with Energy Monitoring and Protection System	Axis Global Industrials, Coimbatore	3 Months	1.44
						Amount received (Rs.):5.73

Total amount (Lacs) received for the past 3 years: 21.71

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
A.Amarnath Kumaran	Surveillence Robot	5 Months	1.45	1.31	Enables remote supervision, predictive maintenance, and reduced downtime through IoT connectivity and embedded intelligence.
L.Mohanakannan	E-Scooter	4 Months	0.65	0.65	Sustainable alternative to Conventional Method
T.Maris Murugan	Solar Powered Smart Agri Bot	3 Months	0.40	0.37	soil monitoring,and crop surveillance with greater accuracy
			Amount received (Rs.): 2.50		

(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
S.Sobana	Finger Print based Patient Record and Data Base Management System using IoT	3 Months	1.25	1.08	Provides secure and accurate patient identification using fingerprint
P.Sureshkumar	Gravity Assisted Evaporative Cooling Using Rooftop Tank Discharge	3 Months	0.89	0.82	Utilizes gravity-driven rooftop tank discharge to achieve passive evaporative cooling
G.Revathy	Wireless Industrial Data Industrial Logger	3 Months	0.70	0.64	real-time wireless monitoring and reliable logging of industrial parameters, improving process visibility, remote supervision, and decision-making
			Amount received (Rs.): 2.84		

(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
E.Sathish	Modeling and Optimization of Photo-catalytic Reactor For Contaminated Water	3 Months	0.75	0.75	Improves reactor performance and scalability by identifying optimal operating parameters
P.Senthilkumar	IoT Based Smart Insole for Predictive Diabetic Foot Care	5 Months	0.90	0.81	Supports predictive alerts and remote healthcare monitoring through IoT, reducing the risk of ulcers and amputations
P.Elamurugan	Smart Energy Management Sytems	3 Months	0.60	0.42	improving efficiency, reducing costs, and supporting sustainable and smart energy applications
			Amount received (Rs.): 2.25		

Total amount (Lacs) received for the past 3 years : 7.59

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	Problem Solving and Python Programming Laboratory	30	Latest configuration PC, printer and necessary licensed Software	45 Hours	Ms.E.Sona	Lab Technician	B.Tech. IT
2	Physics and Chemistry Laboratory	30	Torsion Pendulum, Lee's Disc Apparatus, Ultrasonic Interferometer, Microscope, Spectrometer, pH meter,	45 Hours	Ms.Poonthalir	Lab Technician	B.Sc. Physics
3	Engineering Practices Laboratory	30	Assorted components for plumbing, Carpentry, Standard wood working tools, Demolition Hammer,	45 Hours	Ms.B.S.Nithya	Lab Technician	B.E. ECE
4	Electric Circuits Laboratory	30	Regulated Power Supply: 0 – 15 V D.C, Function Generator (1 MHz), Single Phase Energy Meter,	45 Hours	Ms.G.Mythili	Lab Technician	DECE
5	Measurements and Transducers Laboratory	30	Experimental setup for Measurement of Linear displacement using Potentiometer, Strain gauge and	45 Hours	Ms.C.Mahalakshmi	Lab Technician	DECE
6	Electrical Machines and Drives	30	Regulated power supply, Function Generator, Cathode Ray Oscilloscope, ORCAD PSPICE software, AC/DC -	45 Hours	Mr.M.Ramasamy	Lab Technician	D.E.E.E.
7	Linear and Digital Integrated Circuits Laboratory	30	Digital Lab Trainer kit, Dual power supply, Function Generator, Cathode Ray Oscilloscope, Digital	45 Hours	Ms.B.S.Nithya	Lab Technician	B.E. ECE
8	Microprocessor Microcontroller Laboratory	30	8085 Trainer Kit , 8051 Trainer 8255/ 8279/ 8259/ 8251 Interfacing Card ADC / DAC Interfacing card.	45 Hours	Ms.C.Mahalakshmi	Lab Technician	DECE
9	Industrial Instrumentation Laboratory	30	Orifice plate, Dead weight tester with pressure gauge, Torque trainer, Saybolt Viscometer, Vacuum gauge, DP	45 Hours	Ms.G.Mythili	Lab Technician	DECE
10	Process Control Laboratory	30	Temperature process Station, Pressure process Station, Multi Process Station, Interacting and Non - Interacting	45 Hours	Mr.M.Ramasamy	Lab Technician	D.E.E.E.
11	Industrial Automation Laboratory	30	Programmable Logic controller, Programmable Logic controller Software, DAQ card, Filling /Draining System,	45 Hours	Ms.E.Sona	Lab Technician	B.Tech. IT
12	Instrumentation System Design Laboratory	30	Instrumentation amplifier, capacitors Linear control valve, ON/OFF control valve, Air regulator,	45 Hours	Ms.C.Mahalakshmi	Lab Technician	DECE

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures

1	Process Control Laboratory	1. First Aid Box is available. 2. Use the facility of Fire Extinguisher during Fire Emergency. 3. Fire bucket with sand is available 4. Proper uniform/Lab coats and shoes should be worn in all laboratories. 5. Read all procedures and associated safety information prior to the start of an experiment. 6. Follow the instruction manual for the equipment's. 7. Do's and Don'ts are displayed in the laboratory. 8. Double Check circuits for proper connections and polarity prior to applying the power. 9. Observe polarity when connecting polarized components or test equipment into a circuit. 10.Avoid direct contact with any voltage source and power line.
2	Industrial Automation Laboratory	1. First Aid Box is available. 2. Use the facility of Fire Extinguisher during Fire Emergency. 3. Fire bucket with sand is available 4. Proper uniform/Lab coats and shoes should be worn in all laboratories. 5. Read all procedures and associated safety information prior to the start of an experiment. 6. Follow the instruction manual for the equipment's. 7. Do's and Don'ts are displayed in the laboratory. 8. Double Check circuits for proper connections and polarity prior to applying the power. 9. Observe polarity when connecting polarized components or test equipment into a circuit. 10.Avoid direct contact with any voltage source and power line.
3	Measurements and Transducers Laboratory	1. First Aid Box is available. 2. Use the facility of Fire Extinguisher during Fire Emergency. 3. Fire bucket with sand is available 4. Proper uniform/Lab coats and shoes should be worn in all laboratories. 5. Read all procedures and associated safety information prior to the start of an experiment. 6. Follow the instruction manual for the equipment's. 7. Do's and Don'ts are displayed in the laboratory. 8. Double Check circuits for proper connections and polarity prior to applying the power. 9. Observe polarity when connecting polarized components or test equipment into a circuit. 10.Avoid direct contact with any voltage source and power line.
4	Industrial Instrumentation Laboratory	1. First Aid Box is available. 2. Use the facility of Fire Extinguisher during Fire Emergency. 3. Fire bucket with sand is available 4. Proper uniform/Lab coats and shoes should be worn in all laboratories. 5. Read all procedures and associated safety information prior to the start of an experiment. 6. Follow the instruction manual for the equipment's. 7. Do's and Don'ts are displayed in the laboratory. 8. Double Check circuits for proper connections and polarity prior to applying the power. 9. Observe polarity when connecting polarized components or test equipment into a circuit. 10.Avoid direct contact with any voltage source and power line.
5	Instrumentation System Design Laboratory	1. First Aid Box is available. 2. Use the facility of Fire Extinguisher during Fire Emergency. 3. Fire bucket with sand is available 4. Proper uniform/Lab coats and shoes should be worn in all laboratories. 5. Read all procedures and associated safety information prior to the start of an experiment. 6. Follow the instruction manual for the equipment's. 7. Do's and Don'ts are displayed in the laboratory. 8. Double Check circuits for proper connections and polarity prior to applying the power. 9. Observe polarity when connecting polarized components or test equipment into a circuit. 10.Avoid direct contact with any voltage source and power line.
6	Computer control of Process Laboratory	1. First Aid Box is available. 2. Use the facility of Fire Extinguisher during Fire Emergency. 3. Fire bucket with sand is available 4. Proper uniform/Lab coats and shoes should be worn in all laboratories. 5. Read all procedures and associated safety information prior to the start of an experiment. 6. Follow the instruction manual for the equipment's. 7. Do's and Don'ts are displayed in the laboratory. 8. Double Check circuits for proper connections and polarity prior to applying the power. 9. Observe polarity when connecting polarized components or test equipment into a circuit. 10.Avoid direct contact with any voltage source and power line.
7	Electric Circuits Laboratory	1. First Aid Box is available. 2. Use the facility of Fire Extinguisher during Fire Emergency. 3. Fire bucket with sand is available 4. Proper uniform/Lab coats and shoes should be worn in all laboratories. 5. Read all procedures and associated safety information prior to the start of an experiment. 6. Follow the instruction manual for the equipment's. 7. Do's and Don'ts are displayed in the laboratory. 8. Double Check circuits for proper connections and polarity prior to applying the power. 9. Observe polarity when connecting polarized components or test equipment into a circuit. 10.Avoid direct contact with any voltage source and power line.
8	Project & Research Laboratory	1. First Aid Box is available. 2. Use the facility of Fire Extinguisher during Fire Emergency. 3. Fire bucket with sand is available 4. Proper uniform/Lab coats and shoes should be worn in all laboratories. 5. Read all procedures and associated safety information prior to the start of an experiment. 6. Follow the instruction manual for the equipment's. 7. Do's and Don'ts are displayed in the laboratory. 8. Double Check circuits for proper connections and polarity prior to applying the power. 9. Observe polarity when connecting polarized components or test equipment into a circuit. 10.Avoid direct contact with any voltage source and power line.

D3. Project Laboratory/Research Laboratory

Research Laboratories

- The lab will promote innovative research and development in emerging areas of science and technology.
- It will provide a platform for facility, students and researchers to gain hands-on experience with advanced tools and methodologies.
- It encourages interdisciplinary collaboration between academia, industry, and research institutions.
- The research lab will facilitate publication, patenting and conference participation.
- More than 10 Proposal is submitted in TNSCST project and one got selected from every year.

List of Industry- Supported Laboratories

- Texas Instrumentation Sponsored IC Laboratory.
- IoT Laboratory
- Robotics Lab

Texas Instruments Sponsored IC Laboratory

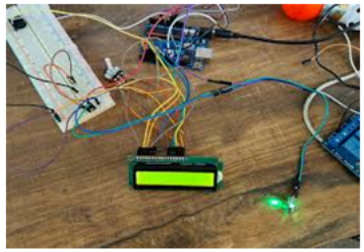
- To promote **practical learning** in electronics and IC design.
- To develop **innovative projects** in embedded systems, IoT, and VLSI.
- To encourage students to participate in **TI Innovation Challenges** and other national-level competitions.
- To support **research and product development** in collaboration with industry experts.
- To bridge the gap between **academic theory and industrial practice**.



Figure 7.5.2 Students project in Texas Instrumentation Kits

IoT Laboratory

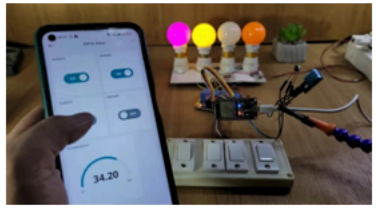
- 40 systems are available with all required software's and internet facilities.
- Arduino Uno R3 development Kit is available for student projects
- Students are allowed to utilize the project laboratory 3 hrs daily on working days.
- Recently 5 projects have been completed by the students in the last year using this lab facility.



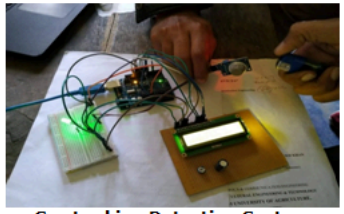
Health Monitoring Systems



Water Management System Using Arduino



Home Light Automation Control



Gas Leaking Detection System

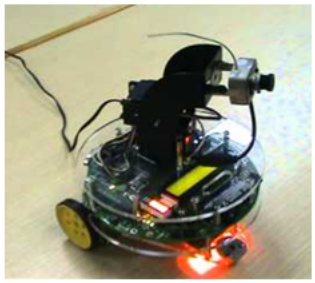
Figure 7.5.2 Students Project in IoTLaboratory

Robotics Laboratory

- e-Yantra Lab was established in association with IIT Bombay.
- It is designed to create an eco-system to impart effective engineering education.
- It provides guidance and support for doing projects in robotics.
- Value added course & workshops related to robotics are organized periodically.
- Recently 7 projects have been completed by the students in the last year using this lab facility.



CAR PARKING SYSTEM



ARDUINO WANDERING ROBOT

Figure 7.5.3 Students Project in Robotics Laboratory

Arduino Programming Lab

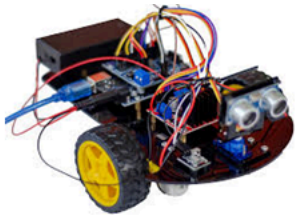
· The Arduino Programming Lab aims to introduce students to microcontroller-based system design using the Arduino platform. Understand the architecture and working of Arduino boards (like Arduino Uno, Mega, or Nano).

· Write and debug Arduino sketches (programs) using the Arduino IDE.

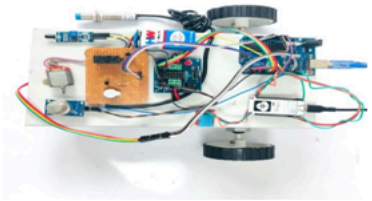
· Interface input/output devices such as LEDs, switches, sensors, and motors.

· Implement real-time embedded applications.Arduino Programming Lab project

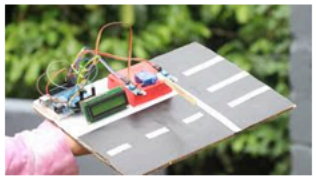
Understand serial communication and use it for debugging and data transfer.



ARDUINO-POWERED VCEHICLE



SMART ROBOT FOR HOME SECURITY



CAR PARKING SYSTEM



ARDUINO WANDERING ROBOT

Figure 7.5.3 Students Project in Robotics Laboratory

EV Lab (Electric Vehicle Lab)

- The Electric Vehicle Laboratory is a specialized facility designed to study, design, test, and
- Analyze the components and systems used in electric mobility.
- It provides our students and researchers with hands-on experience in electric propulsion,
- Battery management, power electronics, control systems and vehicle dynamics.







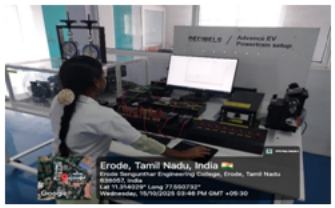


Figure 7.5 Students Utlizing this Laboratory

Drone Lab

- A Drone Lab (Unmanned Aerial Vehicle – UAV Laboratory) is a specialized facility dedicated to the design, development, testing and research of drone technologies.
- It provides our students and researchers with hands-on exposure to aerial robotics, control systems, sensors, image processing and AI-based autonomous navigation.
- The Drone Development Center is specialized hub dedicated to advancing innovation, Research & development in agriculture and surveillance. It provides students with hands-on expertise in UAV design, fabrication and autonomous technologies. The center focuses on developing cost effective and sustainable drone solutions for real world applications. Our R&D integrates AI, IoT and drone technology to deliver accurate insights on crop health, irrigation and yield prediction. It nurtures a culture of research, creativity, entrepreneurship and industry collaboration.



Figure 7.5.3 Agro Drone Hexacopter



Figure 7.5.3 Medicopter FPV Racing Drone



Figure 7.5.3 Drone Lab Facilities



Figure 7.5.4 Students Participation in Drone Lab

Table 6.4.3e Students Participation List by utilizing Drone Lab

S.No	Name of the Student	Participation/Fund	Prize
1.	Selvi Kavya Sri M	NIDAR Competition	First Prize with 6 Lakhs

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)	1140	57	44	19	68
2024-25(CAYm1)	1440	72	50	22	62
2025-26(CAY)	1530	76	57	21	66

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	265000000	251988999	250000000	225294703	175000000	159757851	132000000	118157265
Library	2250000	1799815	1780000	1269047	1661000	1292799	1470000	1373170
Laboratory equipment	15250000	12212372	42000000	36615624	17900000	17864447	24750000	20848397
Teaching and non-teaching staff salary	210000000	205917277	172400000	163742912	122100000	119034857	107000000	98685697
Outreach Programs	1350000	1294219	1800000	1638025	1000000	800730	3000000	2641751
R&D	16000000	14679745	12400000	11904352	10550000	9937090	5335000	4749606
Training, Placement and Industry linkage	3700000	3583438	4725000	3790981	4605000	4048026	3275000	2351019
SDGs	16000000	15810939	10070000	9919802	8185000	7964860	6210000	5835394
Entrepreneurship	1800000	1756270	700000	597217	300000	247317	150000	97363
Others, specify	180845000	164789030	157690000	149870896	145475000	125798143	102295000	96045147
Total	**712195000**	**673832104**	**653565000**	**604643559**	**486776000**	**446746120**	**385485000**	**350784809**

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	1000000	950168	300000	250160	400000	344439	2500000	2105720
Software	200000	182659	200000	185121	150000	140424	150000	135890
SDGs	400000	371637	250000	242874	225000	177837	160000	157893
Support for faculty development	200000	175970	150000	120627	150000	149576	150000	144016
R & D	500000	468857	550000	536218	1300000	1267809	350000	323014
Industrial Training, Industry expert, Internship	200000	184229	200000	192817	225000	171649	170000	163613
Miscellaneous Expenses*	13615000	13121521	12830000	12684927	11520000	11336544	9020000	8833772
Total	**16115000**	**15455041**	**14480000**	**14212744**	**13970000**	**13588278**	**12500000**	**11863918**