NATIONAL BOARD OF ACCREDITATION

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

PART-A: Profile of the Institute

Name of the Progr	ram Applied for: Mechanical E	Engineering
A1: Name of the I	nstitute: Thiagarajar College	of Engineering
Year of Es	tablishment: 1957	Location of the Institute: Madurai
A2: Institute Add	ress: -	
City	: Madurai	State : Tamil Nadu
Pin Code	: 625015	Website: www.tce.edu
E-mail	: principal@tce.edu	Phone No (with STD Code): 0452 - 2482240
A3: Name and Ad	dress of the Affiliating Univers	sity (If any): -
Name of the	ne University: Anna University	City: Chennai
A4. Type of the In	stitution:	
Ins	stitute of National Importance	
De	eemed to be University	
Ur	niversity	
Αι	itonomous	✓
No	on-Autonomous (Affiliated)	
Ar	ny Other (Please specify*)	
Pro	ovide Details:	
The year of grant	of autonomous is 1987. The auto	onomous status is applicable till the academic year
<i>2031-32</i> .		
A5. Ownership St	atus:	
Ce	entral Government	
Sta	ate Government	
Gr	ant-in-Aid	✓
Se	lf-financing Trust	
Ar	ny Other (Please specify*)	
A6. Details of all t	he Programs being offered by t	he Institution:
No. of UG program	ms : 11	
No. of PG program	s : 11	

Table No. A7: Details of all the programs being offered by the Institution.

S. No	Level of Program	Program Name	Year of start	Year of Close	Name of the department
1.	UG	Civil Engineering	1957		Civil Engineering
2.	UG	Mechanical Engineering	1957		Mechanical Engineering
3.	UG	Electrical and Electronics Engineering	1957		Electrical and Electronics Engineering
4.	UG	Electronics and Communication Engineering	1978		Electronics and Communication Engineering
5.	UG	Computer Science and Engineering	1984		Computer Science and Engineering
6.	UG	Information Technology	1999		Information Technology
7.	UG	Mechatronics	2014		Mechatronics
8.	UG	Computer Science and Business System	2020		Computer Science and Business System
9.	UG	Architecture	1995		Architecture
10.	UG	Interior Design	2024		Architecture
11.	UG	Computer Science and Engineering (AI & ML)	2024		Computer Science and Engineering
12.	PG	Structural Engineering	1972		Civil Engineering
13.	PG	Construction Engineering and Management	2022		Civil Engineering
14.	PG	Communication Systems	1995		Electronics and Communication Engineering
15.	PG	Computer Science and Engineering	2001		Computer Science and Engineering
16.	PG	Master of Computer Applications	1985		Computer Applications
17.	PG	Urban Planning	2024		Architecture
18.	PG	Power System Engineering	1972	2024	Electrical and Electronics Engineering
19.	PG	Engineering Design	2022	2023	Mechanical Engineering

S. No	Level of Program	Program Name	Year of start	Year of Close	Name of the department
20.	PG	Industrial Engineering	1986	2022	Mechanical Engineering
21.	PG	Infrastructure Engineering and Management	2011	2022	Civil Engineering
22.	PG	Environmental Engineering	2007	2023	Civil Engineering

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

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

S.No	Name of the Department	Name of the Program
1	Civil Engineering	B.E. Civil Engineering
2	Mechanical Engineering	B.E. Mechanical Engineering
3	Electrical and Electronics Engineering	B.E. Electrical and Electronics Engineering
4	Electronics and Communication	B.E. Electronics and Communication
	Engineering	Engineering

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.

S.No	Name of the Department	Name of Allied Departments/Cluster
1	Mechanical Engineering	Mechatronics
2	Electronics and Communication Engineering	Mechatronics

PART-B: Program information(Data to be filled in for the program applied for Accreditation)

B1: Provide the Required Information for the Program Applied For: -

Table No. B1: Program details

S. No	Program Name	Year of start	Sanctioned Intake	Increase/ decrease in intake	Year of increase/ decrease	AICTE/ Approval details	Accreditation Status*	No. of times program accredited
1.	B.E. Mechanical Engineering	1957	30	120	2007	F.No. 730-52-256 (E)/ET/97 Dated 10-07-2007	Granted Accreditation for 3 Years for the period 2021-22 to 2024-25	4

1.		B.E. Mechanical Engineering	1957	30	120			
* Applying first time								
	*	Regular	V					
	*	Contract						
	*	Ad hoc						
C. Q	ualif	ication: (Tick th	ne applical	ole choice)				
	*	Ph.D	٧					
	*	ME/M.Tech.						
	*	Any other*						
*I	Please	e provide details:	:					

B3: Program Details

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

Item (Information is to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	CAY 2024-25	CAYm1 2023-24	CAYm2 2022-23	CAYm3 2021-22	CAYm4 (LYG) 2020-21	CAYm5 (LYGm1) 2019-20	CAYm6 (LYGm2) 2018-19
N= Sanctioned intake of the program (as per AICTE / Competent Authority)	120	120	120	120	120	120	120
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/institutions plus no. of students, who migrated to this program	120	118	115	117	109	118	124
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	NA	22	24	22	25	18	16
N3=Separate Divisions If any	0	0	0	1	2	0	0
N4=Total no. of students admitted in the 1 st year via all supernumerary quota	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.	120	140	139	140	136	136	140

B4: Enrolment Ratio in the First Year

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

Item (Students enrolled in the First Year on average over 3 academic years (CAY, CAYm1 and CAYm2))	CAY 2024-25	CAYm1 2023-24	CAYm2 2022-23
N= Sanctioned intake of the program in 1st year (as per AICTE/ Competent Authority)	120	120	120
N1= Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/institutions plus no. of students, who migrated to this program	120	118	115
N4=Total no. of students admitted in the 1st year via all super numeracy quotas	0	0	0
Enrolment Ratio (ER) = $(N 1+N 4)/N$	100	98.33	95.83
Average ER=(ER_1+ER_2+ER_3)/3		98.05	

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	LYG (2023-24)	LYGm1 (2022-23)	LYGm2 (2021-22)
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).	136	136	138
B=No. of students who graduated from the program in the stipulated course duration	120	126	130
Success Rate (SR)=(B/A)*100	88.24	92.65	94.20
Average SR of three batches((SR_1+SR_2+SR_3)/3)		91.70	

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
X= (Mean of 1st year grade point average of all successful students on a10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10)	7.53	7.41	7.68
Y=Total no. of successful students	114	112	117
Z=Total no. of students appeared in the examination	114	115	117
API=X*(Y/Z)	7.53	7.22	7.68
Average API=(AP1+AP2+AP3)/3	7.48		

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
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)	7.46	7.34	8.06
Y=Total no. of successful students	135	137	130
Z=Total no. of students appeared in the examination	135	137	131
API=X*(Y/Z)	7.46	7.34	8.00
Average API=(AP1+AP2+AP3)/3		7.60	

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
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)	7.44	7.99	8.51
Y=Total no. of successful students	134	130	133
Z=Total no. of students appeared in the examination	137	130	133
API=X*(Y/Z)	7.28	7.99	8.51
Average API=(AP1+AP2+AP3)/3		7.93	

B9: Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2023-24)	LYG m1 (2022-23)	LYGm2 (2021-22)
FS*=Total no. of final year students	127	133	133
X=No. of students placed	85	102	99
Y=No. of students admitted to higher studies	12	08	11
Z=No. of students taking up entrepreneurship	0	0	0
X+Y+Z=	97	110	110
Placement Index (P)= $(((X+Y+Z)/FS) *100)$	76	83	83
Average Placement Index = $(P_1 + P_2 + P_3)/3$		81.00	

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 Faculty details (2024-25)-CAY

S. No.	Name of the Faculty	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/ Adhoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case currently Associated is "No")
1.	Dr.K.Chockalingam	Ph.D	Madurai Kamaraj University	Mechanical Engineering	01.12.1994	30.1	Assistant Professor	Professor	01.12.2010	Regular	NA	Y	NA
2.	Dr.PL.K.Palaniappan	Ph.D	Madurai Kamaraj University	Mechanical Engineering	02.06.1997	27.7	Assistant Professor	Professor	06.09.2013	Regular	NA	Y	NA
3.	Dr.A.Valan Arasu	Ph.D	Anna University	Mechanical Engineering	30.11.1998	26.1	Assistant Professor	Professor	04.03.2014	Regular	NA	Y	NA
4.	Dr.C.Paramasivam	Ph.D	Anna University	Mechanical Engineering	06.12.1999	25.1	Assistant Professor	Professor	08.12.2015	Regular	NA	Y	NA
5.	Dr.K.Srithar	Ph.D	IIT-Madras	Mechanical Engineering	19.01.2000	25	Assistant Professor	Professor	05.07.2015	Regular	NA	Y	NA
6.	Dr.P.Maran	Ph.D	Anna University	Mechanical Engineering	13.03.2002	22.10	Assistant Professor	Professor	23.12.2017	Regular	NA	Y	NA
7.	Dr.S.Karthikeyan	Ph.D	Anna University	Mechanical Engineering	29.11.2002	22.1	Assistant Professor	Professor	25.12.2017	Regular	NA	Y	NA
8.	Dr.ML.Mahadevan	Ph.D	Anna University	Mechanical Engineering	10.09.2004	20.4	Assistant Professor	Associate Professor	10.09.2016	Regular	NA	Y	NA
9.	Dr.V.Balasubramani	Ph.D	Anna University	Mechanical Engineering	07.11.2001	23.2	Assistant Professor	Associate Professor	01.03.2022	Regular	NA	Y	NA
10.	Dr.M.Balamurali	Ph.D	Anna University	Mechanical Engineering	06.07.2006	18.6	Assistant Professor	Associate Professor	01.09.2023	Regular	NA	Y	NA
11.	Dr.B.Karthikeyan	Ph.D	Anna University	Mechanical Engineering	01.11.2004	20.2	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
12.	Dr.M.S.Govardhanan	Ph.D	Anna University	Mechanical Engineering	05.03.2012	12.10	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA

S. No.	Name of the Faculty	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/ Adhoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case currently Associated is "No")
13.	Dr.R.Sivasankaran	Ph.D	Anna University	Mechanical Engineering	04.04.2014	10.9	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
14.	Mr.T.Prakash	M.E	Anna University	Mechanical Engineering	21.07.2014	10.6	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
15.	Dr.C.Vignesh	Ph.D	Anna University	Mechanical Engineering	22.01.2015	9.11	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
16.	Mr.C.Selva Kumar	M.E	Anna University	Mechanical Engineering	19.06.2015	9.7	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
17.	Dr.M.Karthic	Ph.D	Anna University	Mechanical Engineering	02.01.2017	8	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
18.	Dr.M.Sermaraj	Ph.D	Anna University	Mechanical Engineering	27.04.2018	6.8	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
19.	Dr.S.Umar Sherif	Ph.D	NIT-Trichy	Mechanical Engineering	10.07.2023	1.6	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
20.	Dr. S.Arunkumar	Ph.D	Anna University	Mechanical Engineering	27.07.2023	1.5	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
21.	Dr. R. Maniarasu	Ph.D	NIT - Rourkela	Mechanical Engineering	03.01.2024	1	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
22.	Dr.R.Kamalakannan	Ph.D.	Anna University	Mechanical Engineering	03.07.2024	0.6	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
23.	Dr.S. Muralidharan	Ph.D	Madurai Kamaraj University	Mechanical Engineering	15.07.1987	37.3	Assistant Professor	Professor	01.01.2009	Regular	NA	N	31.10.2024

Faculty details (2023-24) – CAYm1

S. No.	Name of the Faculty	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/Adhoc)	If contractual mention Full time or Part time	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")
1.	Dr.S. Muralidharan	Ph.D	Madurai Kamaraj University	Mechanical Engineering	15.07.1987	36	Assistant Professor	Professor	01.01.2009	Regular	NA	Y	NA
2.	Dr.K.Chockalingam	Ph.D	Madurai Kamaraj University	Mechanical Engineering	01.12.1994	29	Assistant Professor	Professor	01.12.2010	Regular	NA	Y	NA
3.	Dr.PL.K.Palaniappan	Ph.D	Madurai Kamaraj University	Mechanical Engineering	02.06.1997	27	Assistant Professor	Professor	06.09.2013	Regular	NA	Y	NA
4.	Dr.A.Valan Arasu	Ph.D	Anna University	Mechanical Engineering	30.11.1998	25	Assistant Professor	Professor	04.3.2014	Regular	NA	Y	NA
5.	Dr.C.Paramasivam	Ph.D	Anna University	Mechanical Engineering	06.12.1999	24	Assistant Professor	Professor	08.12.2015	Regular	NA	Y	NA
6.	Dr.K.Srithar	Ph.D	IIT-Madras	Mechanical Engineering	19.01.2000	24	Assistant Professor	Professor	05.07.2015	Regular	NA	Y	NA
7.	Dr.P.Maran	Ph.D	Anna University	Mechanical Engineering	13.03.2002	22	Assistant Professor	Professor	23.12.2017	Regular	NA	Y	NA
8.	Dr.S.Karthikeyan	Ph.D	Anna University	Mechanical Engineering	29.11.2002	21	Assistant Professor	Professor	25.12.2017	Regular	NA	Y	NA
9.	Dr.ML.Mahadevan	Ph.D	Anna University	Mechanical Engineering	10.09.2004	19	Assistant Professor	Associate Professor	10.09.2016	Regular	NA	Y	NA
10.	Dr.V.Balasubramani	Ph.D	Anna University	Mechanical Engineering	07.11.2001	22	Assistant Professor	Associate Professor	01.03.2022	Regular	NA	Y	NA
11.	Dr.M.Balamurali	Ph.D	Anna University	Mechanical Engineering	06.07.2006	18	Assistant Professor	Associate Professor	01.09.2023	Regular	NA	Y	NA
12.	Dr.B.Karthikeyan	Ph.D	Anna University	Mechanical Engineering	01.11.2004	19	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
13.	Dr.M.S.Govardhanan	Ph.D	Anna University	Mechanical Engineering	5.03.2012	12	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA

S. No.	Name of the Faculty	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/Adhoc)	If contractual mention Full time or Part time	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")
14.	Dr.R.Sivasankaran	Ph.D	Anna University	Mechanical Engineering	04.04.2014	10	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
15.	Mr.T.Prakash	M.E	Anna University	Mechanical Engineering	21.07.2014	10	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
16.	Mr.C.Vignesh	M.E	Anna University	Mechanical Engineering	22.01.2015	9	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
17.	Mr.C.Selva Kumar	M.E	Anna University	Mechanical Engineering	19.06.2015	9	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
18.	Mr.M.Karthic	M.E	Anna University	Mechanical Engineering	02.01.2017	7	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
19.	Dr.M.Sermaraj	Ph.D	Anna University	Mechanical Engineering	27.04.2018	6	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
20.	Dr.S.Umar Sherif	Ph.D	NIT - Trichy	Mechanical Engineering	10.07.2023	1	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
21.	Dr. S.Arunkumar	Ph.D	Anna University	Mechanical Engineering	27.07.2023	1	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
22.	Dr.M.Kannan	Ph.D	Anna Universit	Mechanical Engineering	15.07.2011	12.8	Assistant Professor	Assistant Professor	NA	Regular	NA	N	31.03.2024
23.	Dr.S.Saravanaperumaal	Ph.D	Anna University	Mechanical Engineering	02.07.2003.	20	Assistant Professor	Assistant Professor	NA	Regular	NA	N	27.06.2023

Faculty details (2022-23) – CAYm2

		1		1 ac.	alty details (202.		CITIME						
S. No.	Name of the Faculty	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/ Adhoc)	If contractual mention Full time or (Part time or hourly	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")
l.	Dr.S. Muralidharan	Ph.D	Madurai Kamaraj University	Mechanical Engineering	15.07.1987	35	Assistant Professor	Professor	01.01.2009	Regular	NA	Y	NA
2.	Dr.K.Chockalingam	Ph.D	Madurai Kamaraj University	Mechanical Engineering	01.12.1994	28	Assistant Professor	Professor	01.12.2010	Regular	NA	Y	NA
3.	Dr.PL.K.Palaniappan	Ph.D	Madurai Kamaraj University	Mechanical Engineering	02.06.1997	26	Assistant Professor	Professor	06.09.2013	Regular	NA	Y	NA
1.	Dr.A.Valan Arasu	Ph.D	Anna University	Mechanical Engineering	30.11.1998	24	Assistant Professor	Professor	04.03.2014	Regular	NA	Y	NA
5.	Dr.C.Paramasivam	Ph.D	Anna University	Mechanical Engineering	06.12.1999	23	Assistant Professor	Professor	08.12.2015	Regular	NA	Y	NA
5.	Dr.K.Srithar	Ph.D	IIT-Madras	Mechanical Engineering	19.01.2000	23	Assistant Professor	Professor	05.07.2015	Regular	NA	Y	NA
7.	Dr.P.Maran	Ph.D	Anna University	Mechanical Engineering	13.03.2002	21	Assistant Professor	Professor	23.12.2017	Regular	NA	Y	NA
3.	Dr.S.Karthikeyan	Ph.D	Anna University	Mechanical Engineering	29.11.2002	20	Assistant Professor	Professor	25.12.2017	Regular	NA	Y	NA
).	Dr.S.Saravanaperumaal	Ph.D	Anna University	Mechanical Engineering	02.07.2003.	20	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
10.	Dr.ML.Mahadevan	Ph.D	Anna University	Mechanical Engineering	10.09.2004	18	Assistant Professor	Associate Professor	10.09.2016	Regular	NA	Y	NA
11.	Dr.V.Balasubramani	Ph.D	Anna University	Mechanical Engineering	07.11.2001	21	Assistant Professor	Associate Professor	01.03.2022	Regular	NA	Y	NA
12.	Dr.B.Karthikeyan	Ph.D	Anna University	Mechanical Engineering	01.11.2004	18	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
13.	Dr.M.Balamurali	Ph.D	Anna University	Mechanical Engineering	06.07.2006	17	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA

S. No.	Name of the Faculty	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/ Adhoc)	If contractual mention Full time or (Part time or hourly	ently As	Date of Leaving if any (In case Currently Associated is "No")
14.	Dr.M.Kannan	Ph.D	Anna Universit	Mechanical Engineering	15.07.2011	12	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
15.	Dr.M.S.Govardhanan	Ph.D	Anna University	Mechanical Engineering	5.03.2012	11	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
16.	Dr.R.Sivasankaran	Ph.D	Anna University	Mechanical Engineering	04.04.2014	9	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
17.	Mr.T.Prakash	M.E	Anna University	Mechanical Engineering	21.07.2014	9	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
18.	Mr.C.Vignesh	ME	Anna University	Mechanical Engineering	22.01.2015	8	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
19.	Mr.C.Selva Kumar	M.E	Anna University	Mechanical Engineering	19.06.2015	8	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
20.	Mr.M.Karthic	M.E	Anna University	Mechanical Engineering	02.01.2017	6	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
21.	Dr.M.Sermaraj	Ph.D	Anna University	Mechanical Engineering	27.04.2018	5	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
22.	Dr.M.Elango	Ph.D	Anna University	Mechanical Engineering	28.06.2006	16.8	Assistant Professor	Associate Professor	01.03.2022	Regular	NA	N	15.03.2023
23.	Dr.A.Samuelraja	Ph.D	Anna University	Mechanical Engineering	13.09.2007	15.5	Assistant Professor	Assistant Professor	NA	Regular	NA	N	18.02.2023

Table No.C2: Faculty details of Allied Departments for the past 3 years including CAY Faculty details (2024-25) - CAY

			1	1 400 410 7 400 1	ans (202+ 23)	C/11							
S.No.	Name of the Faculty	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/ Adhoc)	If contractual mention Full time or (Part time or hourly	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is
1	Dr.M.Palaninantharaja	Ph.D	IIT Delhi	Mechanical - Quality Materials and Design	01.08.1997	27.5	Assistant Professor	Professor	02.09.2011	Regular	NA	Y	NA
2	Dr.G.Kumaragurupan	Ph.D	Anna University	Mechanical - Thermal Power	15.11.2000	24.2	Assistant Professor	Professor	01.03.2022	Regular	NA	Y	NA
3	Dr.G.Kanagaraj	Ph.D	Anna University	Mechanical - Engineering Design	14.12.2000	24.1	Assistant Professor	Professor	01.03.2022	Regular	NA	Y	NA
4	Dr.S.Julius Fusic	Ph.D	Anna University	Electrical-Power Electronics	14.07.2014	10.6	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
5	Mr.S.Parthasarahti	ME	Anna University	Electrical-Embedded System,	23.12.2014	10	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
6	Dr.H.Ramesh	Ph.D	Anna University	Information and Communication- Applied Electronics	06.04.2015	9.8	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
7	Mr.M.A.Ganesh	M.Tech	VIT, Vellore	Electrical - Mechatronics	19.06.2015	9.6	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
8	Mr.S.A.R.Sheik Masthan	ME	Sathyabama University	Electrical- Applied Electronics	06.06.2016	8.7	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
9	Mr.M.M.Devarajan	ME	Anna University	Mechanical – Industrial Engg.	09.09.2015	9.4	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
10	Mr.S.Rajkumar	ME	Anna University	Mechanical- Industrial Engg.	05.07.2017	7.6	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
11	Dr.M.Rajalakshmi	Ph.D	Anna University	Electrical-Control and Instrumentation	07.07.2023	1.6	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA

Faculty details (2023-24) – CAYm1

S.No.	Name of the Faculty	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/ Adhoc)	If contractual mention Full time or (Part time or hourly	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is
1	Dr.M.Palaninantharaja	Ph.D	IIT Delhi	Mechanical - Quality Materials and Design	01.08.1997	26	Assistant Professor	Professor	02.09.2011	Regular	NA	Y	NA
2	Dr.G.Kumaragurupan	Ph.D	Anna University	Mechanical - Thermal Power	15.11.2000	23	Assistant Professor	Professor	01.03.2022	Regular	NA	Y	NA
3	Dr.G.Kanagaraj	Ph.D	Anna University	Mechanical - Engineering Design	14.12.2000	23	Assistant Professor	Professor	01.03.2022	Regular	NA	Y	NA
4	Dr.S.Julius Fusic	Ph.D	Anna University	Electrical-Power Electronics	14.07.2014	10	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
5	Mr.S.Parthasarahti	ME	Anna University	Electrical-Embedded System,	23.12.2014	9	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
6	Dr.H.Ramesh	Ph.D	Anna University	Information and Communication- Applied Electronics	06.04.2015	8	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
7	Mr.M.A.Ganesh	M.Tech	VIT, Vellore	Electrical - Mechatronics	19.06.2015	9	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
8	Mr.S.A.R.Sheik Masthan	ME	Sathyabama University	Electrical- Applied Electronics	06.06.2016	8	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
9	Mr.M.M.Devarajan	ME	Anna University	Mechanical – Industrial Engg.	09.09.2015	8	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
10	Mr.S.Rajkumar	ME	Anna University	Mechanical- Industrial Engg.	05.07.2017	6	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
11	Dr.M.Rajalakshmi	Ph.D	Anna University	Electrical-Control and Instrumentation	07.07.2023	1	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA

Faculty details (2022-23) – CAYm2

S. No.	Name of the Faculty	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/	If contractual mention Full time or (Part time or hourly	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is
1	Dr.M.Palaninantharaja	Ph.D	IIT Delhi	Mechanical - Quality Materials and Design	01.08.1997	25	Assistant Professor	Professor	02.09.2011	Regular	NA	Y	NA
2	Dr.G.Kumaragurupan	Ph.D	Anna University	Mechanical - Thermal Power	15.11.2000	22	Assistant Professor	Professor	01.03.2022	Regular	NA	Y	NA
3	Dr.G.Kanagaraj	Ph.D	Anna University	Mechanical - Engineering Design	14.12.2000	22	Assistant Professor	Professor	01.03.2022	Regular	NA	Y	NA
4	Dr.S.Julius Fusic	Ph.D	Anna University	Electrical-Power Electronics	14.07.2014	9	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
5	Mr.S.Parthasarahti	ME	Anna University	Electrical-Embedded System	23.12.2014	8	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
6	Dr.H.Ramesh	Ph.D	Anna University	Information and Communication- Applied Electronics	06.04.2015	7	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
7	Mr.M.A.Ganesh	M.Tech	VIT, Vellore	Electrical – Mechatronics	19.06.2015	8	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
8	Mr.S.A.R.Sheik Masthan	ME	Sathyabama University	Electrical- Applied Electronics	06.06.2016	7	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
9	Mr.M.M.Devarajan	ME	Anna University	Industrial Engg.	09.09.2015	7	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
10	Mr.S.Rajkumar	ME	Anna University	Mechanical- Industrial Engg.	05.07.2017	6	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA

C2: Student-Faculty Ratio (SFR)

 Table No.C2.1:
 Student-faculty ratio

Year	CAY (2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1. B II Year	132	132	132
UG1. C III Year	132	132	132
UG1. D IV Year	132	132	132
UG1 B (UG – Engineering – Mechanical)	396	396	396
PG ₁ . A	-	-	18
PG ₁ . B	-	18	18
PG ₁ (PG-Engineering- Mechanical Engineering)	0	18	36
DS=Total no. of students in all UG and PG programs in the Department	396	414	432
UG2. B	66	66	66
UG2. C	66	66	66
UG2. D	66	66	66
UG2 (UG –Engineering–Mechatronics)	198	198	198
PG1. A I Year	-	-	-
PG1. B II Year	-	-	-
PGm	-	-	-
AS=Total no. of students of all UG and PG programs in allied Departments	198	198	198
S=Total no. of students in the Department (DS) and allied departments (AS)	S1=594	S2=612	S3=630
DF=Total no. of faculty members in the Department	22	21	21
AF= Total no. of faculty members in the allied Departments	11	11	10
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	33	32	31

FF=The faculty members in F who have a 100% teaching load in the first-year courses			0	0	0		
Student	Faculty	Ratio (SFR)=S/(F-FF)	SFR1=594/33 18	SFR2=612/32 19.125	SFR3=630/31 20.323		
Average SFI	R for 3 years		Average SFR=(SFR1+SFR2+SFR3)/3 =19.15				

C3: Faculty Qualification

Table No.C3.1: Faculty qualification

Year	X	Y RF		FQI = 2.5 * [(10X + 4Y)/RF]
CAY (2024-25)	20 + 6 = 26	2 + 5 = 7	594/20 = 30.0	$= 2.5 \left[(10*26 + 4*7)/30 \right] = 24.00$
CAYm1 (2023-24)	17 + 6 = 23	4 + 5 = 9	612/20 = 30.6	= 2.5 [(10*23 + 4*9)/31] = 21.45
CAYm2 (2022-23)	17 + 5 = 22	4 + 5 = 9	630/20 = 31.5	= 2.5 [(10*22 + 4*9)/32] = 20.00
		21.81		

C4: Faculty Cadre Proportion

Table No.C4.1: Faculty cadre proportion details

Year	P	rofessors	Associate	Professors	Assistant Professors		
	Required Faculty(RF1)	Available Faculty(AF1)	Required Faculty(RF2)	Available Faculty(AF2)	Required Faculty(RF3)	Available Faculty(AF3)	
CAY (2024-25)	4	7+3=10	7	3+0=3	19	12+8=20	
CAYm1 (2023-24)	4	8+3=11	7	3+0=3	20	10+8=18	
CAYm2 (2022-23)	4	8+3=11	8	2+0=2	20	11+7=18	
Average Numbers	RF1=4	AF1=10.67	RF2=7.34	AF2=2.67	RF3=19.67	AF3=18.67	

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

S.N.	Name of the Person	Designation & Organization	Name of the Course	No. of hours handled			
		CAYm1	(2023-24)				
		Post Doctoral Fellow, University of Toronto, Canada.	18MEPZ0 - Energy Conversion System 18ES790 Capstone Design Project	36			
1	Dr. N. Nagarajan	on order of total or canada.	1022 / y 0 cupotone 2 to gn 110 jett	24			
		Total number of hours:	60				
		(2022-23)					
1		University of Toronto, Canada. SEM A		22ME240 Engineering Thermodynamics – II SEM A	36		
1	Dr. N. Nagarajan		22ME240 Engineering Thermodynamics – II SEM B				
			Total number of hours:	72			
		CAYm3	(2021-22)				
1	Mr.A.Mani	Proprietor Mr.A.Mani M/S Karun Tolling Enterprises. 18MEPD0		36			
		Bengaluru	I INVERTED DESIGN OF THE SAME EXTRES				
	Total number of hours:						

C6: Academic Research

Table No. C6.1: Faculty publication details

S.No.	Item	CAYm1 2023-24	CAYm2 2022-23	CAYm3 2021-22
1	No. of peer reviewed journal papers published	22	17	12
2	No. of peer reviewed conference papers published	01	01	-
3	No. of books/book chapters published	-	01	04

C7: Sponsored Research Project

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

S.No.	PI name	Co-PI names if any	Name of the Dept., where project is sanctioned	Proje	ct title*	Name of Fundi agen	ng	Duration project		Am	ount (Lakhs)	
	·	<u> </u>		2023	-24							
1	Dr. A. Valan Arasu Dr.S.Umar Sherif		Mechanical	Zeta	asizer	DST-FI	ST	T 2019 - 2024		Rs	Rs.26,00,000/-	
Amount received (Rs.)								3,00,000/-				
2022-23												
NIL	NIL	NIL	NIL		NIL NIL NIL				NIL			
Amount received (Rs.)									NIL			
				2021	-22			ı				
1	Dr. K. Chockalingam Dr. B. Karthikeyan		Mechanical		Internal (nization of Combustion Laboratory	Grant-i the Modern Ren Obse	n-Aid under Scheme nization and moval of blescence DDROB)	2 years (14.01.202 14.01.203	20 to 22)	Rs. 11,00,000/-	
	Amount received (Rs.)									11,00,000/-		
	Total Amount (Lakhs) Received for the Past 3 Years									24,00,000/-		

C8: Consultancy Work

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

S.No.	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 (Rs)
			2023-24			1	
1	Dr. V. Balasubramani		Mechanical	Design model	Aruna Industrial Products (p) Ltd., Madurai	23.9.2023	21,240
2	Dr.M.Balamurali	Mr.M.Karthic	Mechanical	Vibration Analysis on Antennas	Thiagarajar Telekom Solutions Private Ltd, Madurai	13.06.2024	1,27,440
3	Dr.M.Balamurali	Mr. C.Vignesh	Mechanical	Thermal Analysis on Antennas	Thiagarajar Telekom Solutions Private Ltd, Madurai	13.06.2024	4,80,373
4	Dr.M.Balamurali	Mr. C.Vignesh	Mechanical	Thermal Analysis on Antennas	Thiagarajar Telekom Solutions Private Ltd, Madurai	12.01.2024	1,27,440
					An	nount received (Rs.)	7,56,493/-
			2022-23			_	
1	Dr.M.Balamurali	Dr. C.Vignesh	Mechanical	Thermal Analysis on Antennas	Thiagarajar Telekom Solutions Private Ltd, Madurai	30.03.2023	80,931
2	Dr.M.Balamurali	Dr.M.Karthic	Mechanical	Vibration Analysis on Antennas	Thiagarajar Telekom Solutions Private Ltd, Madurai	30.11.2022	1,55,760
3	Dr.M.Balamurali, Mr.M.Karthic,	Dr. C.Vignesh	Mechanical	Thermal Analysis on Antennas	Thiagarajar Telekom Solutions Private Ltd, Madurai	21.11.2022	7,85,092

S.No.	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 (Rs)
4	Dr. V. Balasubramani				Static Sturctural Analysis of the Wedge System	Sree Engineering, Madurai	2.11.2022	17,700
5	Dr.M.Balamurali	Dr.M.Karthic	Mechanical		Vibration Analysis on Antennas	Thiagarajar Telekom Solutions Private Ltd, Madurai	29.9.2022	1,34,520
6	Dr.M.Balamurali,	Dr.M.Karthic	Mechanical		Vibration Analysis on Antennas	Thiagarajar Telekom Solutions Private Ltd, Madurai	6.9.2022	1,41,600
7	Dr.M.Balamurali,	Dr.M.Karthic	Mechanical		Vibration Analysis on Antennas	Thiagarajar Telekom Solutions Private Ltd, Madurai	27.7.2022	1,41,600
						Am	ount received (Rs.)	14,57,203
			2	021-22				
1	Dr.M.Balamurali,	Dr.M.Karthic	Mechanical		ion Analysis on Antennas	Thiagarajar Telekom Solutions Private Ltd, Madurai	24.6.2022	1,13,280
2	Dr.M.Balamurali,	Dr.M.Karthic	Mechanical	Thermal Analysis on Antennas		Thiagarajar Telekom Solutions Private Ltd, Madurai	31.03.2022	8,65,893
3	Dr.M.Balamurali,	Dr.M.Karthic	Mechanical	Vibration Analysis on Antennas		Thiagarajar Telekom Solutions Private Ltd,	29.03.2022	99,120
4	Dr.M.Balamurali,	Dr.C.Vignesh	Mechanical		guide pins - CNC anufacturing	M/s Kagan Industries, Coimbatore	31.01.2022	10,186

5	Mr. T. Prakash		Mechanical	CNC Wirecut EDM Machining of Hydraulic Punch	Sun Pressing Pvt. Ltd., Madurai	17.12.2021	31,227
6	Dr.M.Balamurali,	Dr.M.Karthic	Mechanical	Vibration Analysis on Antennas	Thiagarajar Telekom Solutions Private Ltd, Madurai	3.12.2021	1,20,360
7	Dr.M.Balamurali	Dr.M.Karthic	Mechanical	Flag Post (car accessory) - CNC Manufacturing	M/s Karthik Engineering, Madurai	3.12.2021	4,154
8	Dr.M.Balamurali	Dr.C.Vignesh	Mechanical	SS Radome Manufacturing CNC	M/s Kagan Industries, Coimbatore	24.11.2021	25,771
9	Dr. V. Balasubramani		Mechanical	Design and Development of 3D model of the fixture to accommodate the piston in UTM, and estalish the experimental setup to test the piston	SI Air Springs Pvt. Ltd., Madurai	18.11.2021	42,500
10	Dr. V. Balasubramani		Mechanical	Design & Development of 3D model of the fixture, fabrication and estalish the experimental setup to test the piston	SI Air Springs Pvt. Ltd., Madurai	18.11.2021	21,520
Amount received (Rs.)							
			Total amount	(Rs.) received for the past 3	years		35,47,707

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

S.No.	Faculty name	Project title/ Support for Activity	Duration	Amount (Lakhs)	Amount Utilized (Lakhs)	Outcomes of the project						
		Support for firetively	2022-24	(241113)	Comzea (Zamis)	project						
	2023-24											
1	Dr. M.S. Govardhanan Dr. C. Vignesh	Advanced all Terrain Vehicle - Model Design and fabrication	12 months	8	6.61	Fabricated the vehicle and participated in the contest						
	Amount received (Rs.) 6.61 lakhs											
	2022-23											
1	Dr. M.S. Govardhanan Dr. C. Vignesh	Advanced all Terrain Vehicle - Model Design and fabrication	12 months	7	6.80	Fabricated the vehicle and participated in the contest						
		Amo	ount received (Rs.) 6	.80 lakhs								
			2021-22									
1	Dr. M.S. Govardhanan Mr. C. Vignesh	Designing all terrain vehicle model and its fabrication and fabrication	12 months	4	3.61	Fabricated the vehicle and participated in the contest						
		Am	ount received (Rs.) 3	3,61,000/-								
Tota	l amount (Rs.) received f	or the past 3 years	17,02,000/-									

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

				Weekly utilization	Technical Man Power support			
Sl. No	Name of the Laboratory	Number of students per setup (batch Size)	Name of the Important Equipment	status (all the courses for which the lab is utilized)	Name of the Technical staff	Designation	Qualifications	
1.	Production System Support Lab	1	ANSYS Academic Teaching Introductory Version 14.5-32000 nodes-50 users PKG-4081p-FN University Plus lab pack (excluding EDU_COM) 50 seat perpetual package -50 users HP Compaq 6000 Pro Intel core 2Duo CPU-23 HP Compaq 8300 core i5 Processor-02 HP 280G2 Intel core TM-i5 -6500 CPU-13 HP 280 GB/ i5 -11500 -01 HP 28084 /i5 -8500-01 GP ELITED ESE 800G2 SFF CORW i5-03	28	Mr.K.Devaraj	Lab Technician	DME	
2	Internal Combustion Engines Lab	4	Ruston Vertical Engine, Twin cylinder UniInsta Engine,Computerized Kirloskar Engine,Lister Engine, Camp bell engine and model engine, Two stage compressor, Redwood Viscometer, Bomb calorimeter	8	Mr.M.Veeraputhiran	Lab Assistant	DME	

				Weekly utilization	Technic	al Man Power sup	port
Sl. No	Name of the Laboratory	Number of students per setup (batch Size)	Name of the Important Equipment	status (all the courses for which the lab is utilized)	Name of the Technical staff	Designation	Qualifications
3	CFD Lab	1	ANSYS, Academic Teaching Introductory Version 14.5- 32000 nodes- 50 users perpetual HP Compaq 6000 Pro Intel core 2Duo CPU-09 HP 280G2 Intel core TM-i5 - 6500 CPU-07 HP 280 GB/ i5 -11500 -06 HP 28084 /i5 -8500-01 GP ELITED ESE 800G2 SFF CORW i5-03	20	Mr.A.Ravi Murugan Mr.K.Saravanakumar	Lab Assistant Lab Technecian	DME DME
4	Heat Transfer Lab	4	Specific heat capacity of air apparatus, Conduction heat transfer and Metal bar Apparatus, Pin-fin apparatus, Natural Convection apparatus, Forced convection apparatus, Stefan-Boltzman Apparatus, Emissivity test rig, Parallel and counter flow heat exchange, Heat pump test rig ,Lagged pipe apparatus ,Transient heat, transfer apparatus	8	Mr.N.Raj kumar	Artisian Grade - II	ITI (DME)

				Weekly utilization	Technic	al Man Power supp	port
Sl. No	Name of the Laboratory	Number of students per setup (batch Size)	Name of the Important Equipment	status (all the courses for which the lab is utilized)	Name of the Technical staff	Designation	Qualifications
			Horizontal Milling Machine, Vertical Milling Machine,		Mr.V.Saravanakumar	Foreman Instructor Artisian Grade - II	B.E, M.E,
			Surface grinding Machine,		Mr.R.Nagakrishnan	Lab Technician	ITI
			Universal grinding Machine, Bench grinding Machining, Pedestal Drilling Machine,		Mr.N.Ambili	Lab Technician	ITI
			Radial Drilling Machine,		Mr.K.Sundararajan	Lab Technician	DME
5	Machine Shop	3	Upright Drilling Machine ,Centre Lathe-15, Capstan Lathe, CNC Lathe, Gear Hobbing Machine, Shaping Machine, Slotting Machine,Tapping Machine, Planar Machine, Lapping Machine	8	Mr.M.Sasikumar		DME
6	CAM Lab	3	Master CAM software Ver - 2024, Denford FANUC V 1.42 Package, TRIAC offline Software (Denford) HP make Core i5-6400 T -15 HP make 11 th Gen.Core i5 Core i5-11500-5	8	Mr.R.Ashwinkumar	Lab Technician	DME(BE)
7	Metrology lab	4	Tool Makers Microscope, Profile Projector, Mitutoyo Surface roughness tester, Autocollimator – Holmarc, Pneumatic Comporator – BAKER, Electronic	8	Mr.K.Sundararajan	Lab Technician	DME

		N 1 1 6		Weekly utilization	Technica	al Man Power supp	on Qualifications etor DME etor ITI ant ITI
Sl. No	Name of the Laboratory	Number of students per setup (batch Size)	Name of the Important Equipment	status (all the courses for which the lab is utilized)	Name of the Technical staff	Designation	Qualifications
8	Foundry Shop	2	Forging tools, Moulding boxes, Injection Moulding Machine	4	Mr.A.Srinivasan	Lab Instructor	DME
9	Smithy Shop	2	Open Hearth Furnace	4	Mr.A.Srinivasan	Lab Instructor	DME
10	Instrumentation and Dynamics lab	4	Universal Vibration Apparatus, Gyroscope, Governor, Balancing of Rotating mass, Balancing of Reciprocating mass, Cam& follower apparatus, Whirling of Shaft, Linear Variable Differential Transformer, Strain gauge trainer kit, Torque meter trainer kit	16	Mr.S.Sankar	Lab Technician	ITI
11	Composite Materials and Metallurgy Lab	4	Muffle Furnace, Brinell Hardness Tester, Metallurgical Microscope, Fatigue testing machine, Sieve shaker, Moulding sand strength testing machine.	8	Mr. A. Ramkumar	Lab Assistant	ITI
12	Fitting Shop		Flat File 12" 10", Triangle File 6", Safe Edge File 8", Marking Tools, Bench Vice	8	Mr.SK.Mohandoss	Artisan Grade - II	ITI

		N 1 0		Weekly utilization	Technic	Technical Man Power support			
Sl. No	Name of the Laboratory	Number of students per setup (batch Size)	Name of the Important Equipment	status (all the courses for which the lab is utilized)	Name of the Technical staff	Designation	on Qualifications BE ITI cian ITI rade - BE		
13	Sheet Metal shop	1	Rivet shaping rod, Bench Vice,Snips	8	Mr.PM.OSA.Prawin	Mechanic	BE		
14	Carpentry shop	1	Jack Plane, Try Square, 1" chisel, 3/4" chisel, 1/2 " chisel ,Bench Vice, Marking gauge	8	Mr.G.Udayathevan	Instructor	ITI		
15	Welding Shop	4	Welding Simulator -1, MIG welding Machine 210 s model - 24.5 volt, Spot welding Machine, TIG Welding Machine, Oxy acetylene Gas welding, Arc welding machine	8	Mr.T.Manivannan	Lab Technecian	ITI		
16	Steam Power Lab	4	Non-IBR Boiler with steam turbine Condenser, Throttling calorimeter	8	Mr.R.Thinagaran	Mechanic Grade -	BE		
17	Refrigeration and Air conditioning lab	4	Vapour Compression refrigeration test rig, Air Conditioning unit	8	Mr.N.Rajkumar	Lab Assistant	DME		

D2: Safety Measures in Laboratories

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

S. No.	Name of the Laboratory	Safety measures (Available)
1	Production System Support Lab	Fire Extinguisher is installed
		First Aid Box is available
		Safety Instructions are given
2	CFD lab	Safety Instructions are displayed in Notice board
		Miniature Circuit Breaker is available
		Earth Leakage Circuit Breaker is installed
		Structured Cabling to all the systems with Network Switches.
3	Machine Shop	Fire Extinguisher is installed
		First Aid Box is available
		Safety slogans are displayed in shop floor.
		Machine guards are available for all machines
		5S housekeeping is implemented Provided sufficient number of fans for Air circulation
		Safety marking is used in electrical switchboxes Provided very good ventilation by windows and exhaust fans
		Sufficient electrical lighting /natural light arrangement made.
4	Internal Combustion Engines Lab	Sufficient electrical lighting/flatural right arrangement made.
	v	Fire Feeting with a to in well at
5	Heat Transfer Lab	Fire Extinguisher is installed First Aid Box is available
6	Composite Materials and Metallurgy Lab	Safety Instructions are given
7	Industrial Engineering lab	Safety Instructions are displayed in Notice board
8	Steam Power Lab	Miniature Circuit Breaker is available
		Earth Leakage Circuit Breaker is installed
9	Instrumentation and Dynamics Lab	
10	CAM Lab	Fire Extinguisher is installed
		First Aid Box is available
		Safety Instructions are given
		Safety Instructions are displayed in Notice board
		Miniature Circuit Breaker is available
		Earth Leakage Circuit Breaker is installed
11	Eitting Chon	Structured Cabling to all the systems with Network Switches.
	Fitting Shop	Safety slogans are displayed in shop floor. Fire Extinguisher is installed
12	Sheet metal Shop	First Aid Box is available
13	Carpentry Shop	Safety Instructions are given

S. No.	Name of the Laboratory	Safety measures (Available)
		Safety Instructions are displayed in Notice board
		Miniature Circuit Breaker is available
		Earth Leakage Circuit Breaker is installed
14	Welding Shop	Safety slogans are displayed in shop floor
		Fire Extinguisher is installed
		First Aid Box is available
		Safety Instructions are given
		Safety Instructions are displayed in Notice board
		Goggles and welding shield are used during welding
		Students are instructed to wear shoes
		Miniature Circuit Breaker is available
		Earth Leakage Circuit Breaker is installed
15	Foundry & Smithy Shop	Safety slogans are displayed in shop floor
		Fire Extinguisher is installed
		First Aid Box is available
		Safety Instructions are given
		Safety Instructions are displayed in Notice board
		Students are instructed to wear shoes
		Miniature Circuit Breaker is available
		Earth Leakage Circuit Breaker is installed
16	Metrology Lab	Fire Extinguisher is installed
17	Refrigeration and Air conditioning lab	First Aid Box is available
1,		Safety Instructions are given
		Safety Instructions are displayed in Notice board
		Earth Leakage Circuit Breaker is installed
		Miniature Circuit Breaker is available

D3: Project La	D3: Project Laboratory/Research Laboratory Table No. D3.1: List of project laboratory/research laboratory / Centre of Excellence							
S.No.	Name of the Laboratory							
1.	Project Laboratory (110 sq.m)							
2.	Nanotechnology Lab (33 sq.m)							
3.	TS Srinivasan Center for research (1430 sq.m)							

Part E: First Year Faculty and Financial Resources

E1: First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1 FYSFR Details

Year	Sanctioned intake of allUG programs (S4)	No. of required faculty (RF4= S4/20)	No. of facultymembers in Basic ScienceCourses & Humanities and Social Sciences including Managementcourses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= ((NS1*0.8)+(NS2*0.2))/RF4
2024-25	1089	54	52	54	((52 * 0.8) + (54 * 0.2)) / 54 = 97.03
2023-24	1029	51	46	51	((46 * 0.8) + (51 * 0.2)) / 51 = 92.15
2022-23	885	44	35	39	((35 * 0.8) + (39 * 0.2)) / 44 = 81.36
		verage Percentage	90.18		

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

Table No. E2.1: Budget and Actual expenditure incurred at Institute Level

Items	Budgeted	Actual	Budgeted	Actual	Budgeted	Actual	Budgeted	Actual
	in 2024-25	Expenses in 2024-25	in 2023-24	Expenses in 2023-24	in 2022-23	Expenses in 2022-23	in 2021-22	Expenses in 2021-22
		(Till Feb 25)						
Infrastructure Built-up	37500000	34087015	20000000	19961745	11440000	23641439	6720000	1811376
Library	4512000	4749428	2170000	3728829	1700000	2808000	1882000	2431000
Laboratory	12900000	30290176	9550000	34428169	34000000	45247125	29100000	22275277
Equipment	12900000	30290170	9330000	34420109	34000000	43247 123	29100000	22213211
Teaching and Non-	500000000	454846927	480000000	453029717	420000000	398383720	450000000	449856429
Teaching staff Salary	30000000	434040321	40000000	400029717	42000000	330303720	+30000000	443030423
Outreach Programme	8500000	7288143	7500000	6634433	5000000	4826847	2500000	2297232
R&D	50000000	45340242	55000000	54769766	23500000	16812466	17500000	16767576
Training Placement	4000000	3440664	10000000	9865322	4500000	4358414	3000000	2935137
and Industry linkage	4000000	3440004	10000000	9000022	4300000	4330414	3000000	2933137
SDGs	22500000	20356702	18000000	18800686	13500000	14119133	12000000	11762580
Entrepreneurship	1500000	1026882	2500000	2510922	2200000	1302856	500000	303146
Others	45000000	43725577	35000000	37344337	45000000	48437295	20000000	18136928
Total Amount	686412000	645151756	639720000	641073926	560840000	559937295	543202000	528576681

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

Table No.E3.1: Budget and Actual Expenditure incurred at Programme Level

ITEM	Budgeted in CFY	Actual expenses in CFY (till Feb 2025)	Budgeted in 2023-24	Actual expenses in 2023-24	Budgeted in 2022-23	Actual expenses in 2022-23	Budgeted in 2021- 22	Actual expenses in 2021-22
Laboratory Equipment	500000	781190	500000	599138	1000000	837365	1000000	771450
Software	2000000	1035514	2000000	1970588	1500000	1499760	1500000	506888
SDGs	2000000	2125467	2000000	2082687	2500000	1642352	1500000	1404975
Support for faculty development	500000	124707	500000	428717	500000	452154	200000	197354
R&D	500000	495893	500000	460669	500000	353329	300000	291916
Industrial training, Industry Expert, Internship	2000000	1120207	2000000	1827796	1000000	1068439	1000000	624977
Miscellaneous Expenses	4500000	4565439	4500000	4136900	5000000	5634275	2000000	2166355
TOTAL AMOUNT	12000000	10248417	12000000	11506495	12000000	11487674	7500000	5963915