

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 Program Applied for: B.E. Mechanical Engineering

A1: Name of the Institute: KCG COLLEGE OF TECHNOLOGY

Year of Establishment :1998

Location of the Institute: CHENNAI

A2: Institute Address: - Rajiv Gandhi Salai, Chennai

City : Chennai

State : Tamil Nadu

Pin Code : 600097

Website : www.kcgcollege.com

E-mail : principal@kcgcollege.com

Phone No (with STD Code):044-28389001

A3: Name and Address of the Affiliating University (If any): -

Name of the University : Anna University

City : Chennai

State : Tamil Nadu

Pin Code:600025

A4: Type of the Institution: - (Tick the applicable choice)

Institute of National Importance

☐

Deemed University

☐

University

☐

Autonomous

☒

Non-Autonomous (Affiliated)

☐

Any other (Please specify) *

☐

***Provide Details:** _____

A5: Ownership Status: - (Tick the applicable choice)

Central Government

☐

State Government

☐

Government Aided

☐

Self-financing

☐

Any Other (Please specify) *

☐

***Provide Details:** _____

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

❖ No. of UG programs: 15

❖ No. of PG programs: 07

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

S.N.	Level of program (UG/PG)	Name of the program	Year of Start	Year of close*	Name of the Department
		B.E / B.Tech			
1	UG	B.E. Computer Science & Engineering	1998	--	Computer Science & Engineering
2	UG	B.E. Electronics & Communication Engineering	1998	--	Electronics & Communication Engineering
3	UG	B.E. Electrical & Electronics Engineering	1998	--	Electrical & Electronics Engineering
4	UG	B.E. Mechanical Engineering	1998	--	Mechanical Engineering
5	UG	B.E. Aeronautical Engineering	2007	--	Aeronautical Engineering
6	UG	B.Tech. Information Technology	2001	--	Information Technology
7	UG	B.E. Civil Engineering	2011	--	Civil Engineering
8	UG	B.E. Automobile Engineering	2018	--	Automobile Engineering
9	UG	B.Tech. Fashion Technology	2018	--	Fashion Technology
10	UG	B.E. Aerospace Engineering	2019	--	Aerospace Engineering
11	UG	B.E. Mechatronics Engineering	2019	--	Mechatronics Engineering
12	UG	B.Tech. Artificial Intelligence & Data Science	2020	--	Artificial Intelligence & Data Science
13	UG	B.E. Computer Science & Engineering (Cyber Security)	2023	--	Computer Science & Engineering (Cyber Security)
14	UG	B.E. Computer Science and Engineering (AI&ML)	2025	--	Computer Science and Engineering (AI&ML)
15	UG	B.E. Biomedical Engineering	2026	--	Biomedical Engineering
		M.E / M.Tech./MCA			
16	PG	ME – Computer Science & Engg.	2010	--	Computer Science & Engineering
17	PG	ME – Communication Systems	2011	--	Electronics & Communication Engg
18	PG	ME – Manufacturing Engineering	2013	--	Mechanical Engineering
19	PG	ME – Power Electronics & Drives	2013	--	Electrical & Electronics Engineering
20	PG	ME – Aeronautical Engineering	2022	--	Aeronautical Engineering
21	PG	MCA – Master of Computer Applications	2025	--	Computer Applications
22	PG	ME – VLSI DESIGN	2026	--	Electronics & Communication Engg

A7: Programs to be considered for Accreditation vide this Application:**Table No. A7.1:** List of programs to be considered for accreditation.

Cluster ID.	Name of the Department	Name of the Program
4	Mechanical Engineering	B.E. Mechanical Engineering
---	Fashion Technology	B.Tech Fashion Technology

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)
4	Mechanical Engineering	Automobile Engineering
4	Mechanical Engineering	Mechatronics Engineering
---	Fashion Technology	Nil
NOT APPLICABLE		

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. N.	Program Name	Year of start	Sanctioned Intake	Increase/decrease in intake, if any	Year of increase/decrease	AICTE Approval Details	Accreditation Status*	No. of times program accredited
1.	BE (Mechanical Engineering)	1998	60	NA	1998	F.No.730-52-307(E)/EI/97 dated 19.12.1997	Accredited (2006-2009) Accredited (2012 - 2015) Accredited (2017 - 2020) Accredited (2020 - 2023)	4
			90	30 (Increase)	2004	F.No.730-52-307(E)/ET/97 dated 30.09.2004		
			120	30 (Increase)	2007	F.No.730-52-307(E)/ET/97 dated 02.08.2007		
			90	30 (Decrease)	2020	F. No. Southern/1-7003006041/2020/EOA Date:15-Jun-2020		
			30	60 (Decrease)	2021	F. No. Southern/1-9323232016/2021/EOA Date:10-Jun-2021		

* Write applicable one:

- ❖ Applying first time
- ❖ Granted accreditation for 2/3 years for the period (specify period)
- ❖ Granted accreditation for 5/6 years for the period (specify period)
- ❖ Not accredited (specify visit dates, year).
- ❖ Withdrawn (specify visit dates, year)
- ❖ Not eligible for accreditation.

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

A. Name of the HoD : Dr S.Jesudass Thomas

B. Nature of appointment: (Tick the applicable choice)

- ❖ Regular ☒
- ❖ Contract ☐
- ❖ Ad hoc ☐

C. Qualification: (Tick the applicable choice)

- ❖ Ph.D. ☒
- ❖ ME/M.Tech ☐
- ❖ Any other* ☐

****Please 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) 20219-20	CAYm6 (LYGm2) 2018-19
N= Sanctioned intake of the program (as per AICTE /Competent authority)	30	30	30	30	90	120	120
N1= Total no. of students admitted in the 1 st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	28	23	22	19	11	40	68
N2= Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	4	3	3	11	11	8	8
N3= Separate division if any	01	00	00	00	00	00	00
N4= Total no. of students admitted in the 1st year via all supernumerary quotas	00	00	00	00	00	00	00
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	33	26	25	30	22	48	76

CAY= Current Academic Year.

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

LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4: Enrolment Ratio in the First Year**Table No. B4.1:** Student enrolment ratio in the 1st year.

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 the 1st year (as per AICTE/Competent authority)	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	28	26	22
N4= Total no. of students admitted in the 1st year via all supernumerary quotas	-	-	-
Enrolment Ratio (ER)= (N1+N4)/N	93.33	86.67	73.33
Average ER= (ER_1+ ER_2+ ER_3)/3	84.44		

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 2020-21	LYGm1 2019-20	LYGm2 2018-19
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).	18	42	65
B=No. of students who graduated from the program in the stipulated course duration	14	38	65
Success Rate (SR)= (B/A)*100	77.78	90.48	100
Average SR of three batches ((SR_1+SR_2+ SR_3)/3)	89.42		

Note *: If the value of A in Table No. B5.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of A in Table No.B5.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No.B3.1.

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 a 10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10)	7.08	7.61	7.59
Y= Total no. of successful students	22	19	13
Z = Total no. of students appeared in the examination	23	22	15
API = $X * (Y/Z)$	6.77	6.572	6.58
Average API = $(API_1 + API_2 + API_3)/3$	6.64		

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)	7.6	7.8	8.2
Y= Total no. of successful students	18	23	14
Z =Total no. of students appeared in the examination	21	26	18
API = $X * (Y/Z)$	6.514	6.9	6.38
Average API = $(API_1 + API_2 + API_3)/3$	6.597		

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
(Mean of 3 rd 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 3 rd year/10)	8	8.1	8.02
Y= Total no. of successful students	23	15	37
Z= Total no. of students appeared in the examination	26	18	42
API = X* (Y/Z)	7.08	6.75	7.07
Average API = (API_1 + API_2 + API_3)/3	6.97		

B9: Placement, Higher Studies, and Entrepreneurship**Table No.B9.1:** Placement, higher studies, and entrepreneurship details.

Item	LYG 2020-21	LYGm1 2019-20	LYGm2 2018-19
FS*=Total no. of final year students	18	42	65
X= No. of students placed	10	30	49
Y= No. of students admitted to higher studies	4	6	9
Z= No. of students taking up entrepreneurship	1	1	2
X + Y + Z =	15	37	60
Placement Index (P) = (((X + Y + Z)/FS) * 100)	83.3	88.09	92
Average placement index = (P_1 + P_2 + P_3)/3	87.7 x 0.3 = 26.7		

Note *: If the value of FS in Table No. B9.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of FS in Table No. B9.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No.B3.1.

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

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 of Joining in this Institution	Present Designation	The date on which Designated as Professor / Associate Professor if any	Nature of Association (Regular / Contract / Ad hoc)	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")
DEPARTMENT OF MECHANICAL ENGINEERING													
Academic Year 2024-25													
1.	Dr.G.Prabhakaran	Ph.D	Bharathidasan	Production	03-07-2023	2.2	Professor	Professor	-	Regular	-	Yes	-
2.	Dr. Z Edward Kennedy	Ph.D	NIT Trichy	Material Science	14-06-2010	15.2	Professor	Professor	-	Regular	-	Yes	-
3.	Dr.C.Kailasanathan	Ph.D	Anna Univ.	Nano Bio-Composites	03-07-2023	0.8	Professor	Professor	-	Regular	-	No	28-03-2025
4.	Dr. M Arulprakasajothi	Ph.D	JNTU	Thermal	10-05-2023	2	Professor	Professor	-	Regular	-	No	30-05-2025
5.	Dr.S.Kaliappan	Ph.D	Anna Univ.	Thermal	15-07-2023	2.1	Professor	Professor	-	Regular	-	Yes	-
6.	Dr.D Easu	Ph.D	Anna Univ.	Design	19-06-2001	24.2	Lecturer	Associate Professor	01-07-2011	Regular	-	Yes	-
7.	Dr.S Jesudass Thomas	Ph.D	Anna Univ.	Manufacturing	19-05-2014	11.3	Associate Professor	Associate Professor	-	Regular	-	Yes	-
8.	Dr.R.Chandramohan	Ph.D	Anna Univ.	Thermal	12-04-2021	4.4	Associate Professor	Associate Professor	-	Regular	-	Yes	-
9.	Dr.M.Vigneshkumar	Ph.D	Annamalai Univ.	Design	27-06-2016	9.2	Assistant Professor	Associate Professor	01-07-2024	Regular	-	Yes	-

10.	Dr.V.Gopal	Ph.D	Anna Univ.	CAD	03-09-2009	16	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
11.	Mr. M Arul Inigo Raja	M.E.	Anna Univ.	CAD	15-06-2012	12.1	Assistant Professor	Assistant Professor	-	Regular	-	No	30-05-2025
12.	Dr. K Gobivel	Ph.D	Anna Univ.	Manufacturing	22-06-2015	10.2	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
13.	Mr.I.Manikandan	M.E.	Anna Univ.	Production	09-12-2016	8.9	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
14.	Mr. L Ramesh Krishnan	M.E.	Anna Univ.	R & AC	03-07-2023	2.2	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
DEPARTMENT OF AUTOMOBILE ENGINEERING													
15.	Dr. T Mothilal	Ph.D	Anna Univ.	Thermal	01-04-2019	6.2	Professor	Professor	-	Regular	-	No	30-05-2025
16.	Dr. V Dillibabu	Ph.D	Anna Univ.	Gasification	03-08-2021	4.1	Assistant Professor	Associate Professor	03-07-2023	Regular	-	Yes	-
17.	Dr, A Arivazhagan	Ph.D	Anna Univ.	Vehicle Dynamics	11-07-2022	3.2	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
18.	Mr. R Balamurugan	M.E.	Anna Univ.	Engineering Design	01-06-2023	2.3	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
19.	Dr. P B Senthil Kumar	Ph.D	Vel Tech	Sustainable Energy	01-07-2024	1.2	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
20.	Dr. R Charles Godwin	Ph.D	Vels Univ.	Composites	01-07-2024	1.2	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
DEPARTMENT OF MECHATRONICS ENGINEERING													
21.	Dr. T Raja	Ph.D	Anna Univ.	Composites	03-07-2023	2.2	Associate Professor	Associate Professor	-	Regular	-	Yes	-
22.	Dr.T Jayakumar	Ph.D	VIT	Material Science	03-07-2023	2.2	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
23.	Mr. K K Manivannan	M.E.	Anna Univ.	Embedded System	11-07-2022	3.2	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
24.	Ms. M Shanmuga Priya	M.E.	Anna Univ.	PED	18-06-2018	7.2	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
25.	Ms. P Vinotha	M.E.	Anna Univ.	VLSI Design	19-06-2019	6.2	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-

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 of Joining in this Institution	Present Designation	The date on which Designated as Professor / Associate Professor if any	Nature of Association (Regular / Contract / Ad hoc)	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")
DEPARTMENT OF MECHANICAL ENGINEERING													
Academic Year 2023-24													
1.	Dr.G.Prabhakaran	Ph.D	NIT Trichy	Production	03-07-2023	1	Professor	Professor	-	Regular	-	Yes	-
2.	Dr.Z.Edward Kennedy	Ph.D	NIT Trichy	Material Science	14-06-2010	14	Professor	Professor	-	Regular	-	Yes	-
3.	Dr.C.Kailasanathan	Ph.D	Anna Univ.	Nano Bio-Composites	03-07-2023	1	Professor	Professor	-	Regular	-	Yes	-
4.	Dr. M Arulprakasajothi	Ph.D	JNTU	Thermal	10-05-2023	1	Professor	Professor	-	Regular	-	Yes	-
5.	Dr.S.Kaliappan	Ph.D	Anna Univ.	Thermal	15-07-2023	1	Professor	Professor	-	Regular	-	Yes	-
6.	Dr.D Easu	Ph.D	Anna Univ.	Design	19-06-2001	23	Lecturer	Associate Professor	01-07-2011	Regular	-	Yes	-
7.	Dr. S Jesudass Thomas	Ph.D	Anna Univ.	Manufacturing	19-05-2014	10	Associate Professor	Associate Professor	-	Regular	-	Yes	-
8.	Dr.R.Chandramohan	Ph.D	Anna Univ.	Thermal	12-04-2021	3	Associate Professor	Associate Professor	-	Regular	-	Yes	-
9.	Dr.M.Vignesh Kumar	Ph.D	Annamalai	Design	27-06-2016	8	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
10.	Dr.S Gopinath	Ph.D	Anna Univ.	Thermal	03-08-2022	2	Assistant Professor	Associate Professor	03-07-2023	Regular	-	No	31-08-2024

11.	Dr.V.Gopal	Ph.D	Anna Univ.	CAD	03-09-2009	15	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
12.	Dr.S.Gowthaman	Ph.D	NIT	Manufacturing	01-06-2023	1	Assistant Professor	Assistant Professor	-	Regular	-	No	31-05-2024
13.	Mr. K Gobivel	M.E.	Anna Univ.	Manufacturing	22-06-2015	9	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
14.	Mr.I.Manikandan	M.E.	Anna Univ.	Production	09-12-2016	7.6	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
15.	Mr. L Ramesh Krishnan	M.E.	Anna Univ.	R & AC	03-07-2023	1	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
16.	Mr. M Arul Inigo Raja	M.E.	Anna Univ.	CAD	15-06-2012	11	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
DEPARTMENT OF AUTOMOBILE ENGINEERING													
17.	Dr. T Mothilal	Ph.D	Anna Univ.	Thermal	01-04-2019	5	Professor	Professor	-	Regular	-	Yes	-
18.	Dr. V Dillibabu	Ph.D	Anna Univ.	Gasification	03-08-2021	3	Assistant Professor	Associate Professor	03-07-2023	Regular	-	Yes	-
19.	Dr, A Arivazhagan	Ph.D	Anna Univ.	Vehicle Dynamics	11-07-2022	2	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
20.	Mr.S Mathavan	M.E.	Anna Univ.	IC Engines	03-06-2019	4.11	Assistant Professor	Assistant Professor	-	Regular	-	No	31-05-2024
21.	Mr. M Nelson Prem Kumar	M.E.	Hindustan Univ.	Automobile Engineering	29-07-2020	3.1	Assistant Professor	Assistant Professor	-	Regular	-	No	31-05-2024
22.	Mr. R Balamurugan	M.E.	Anna Univ.	Engg. Design	01-06-2023	1	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
DEPARTMENT OF MECHATRONICS ENGINEERING													
23.	Dr.T.Raja	Ph.D	Anna Univ.	Composites	03-07-2023	1	Associate Professor	Associate Professor	-	Regular	-	Yes	-
24.	Dr.T Jayakumar	Ph.D	VIT	Material Science	03-07-2023	1	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
25.	Mr. K K Manivannan	M.E.	Anna Univ.	Embedded System	11-07-2022	2	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
26.	Ms. M Shanmuga Priya	M.E.	Anna Univ.	PED	18-06-2018	6	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
27.	Ms. P Vinotha	M.E.	Anna Univ.	VLSI Design	19-06-2019	5	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
28.	Ms. G Bhavani Bharathi	M.E.	Anna Univ.	Medical Electronics	22-06-2015	8.11	Assistant Professor	Assistant Professor	-	Regular	-	No	31-05-2024

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 of Joining in this Institution	Present Designation	The date on which Designated as Professor / Associate Professor if any	Nature of Association (Regular / Contract / Ad hoc)	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")
DEPARTMENT OF MECHANICAL ENGINEERING													
Academic Year 2022-23													
1.	Dr.Z.Edward Kennedy	Ph.D	NIT Trichy	Material Science	14-06-2010	13	Professor	Professor	-	Regular	-	Yes	-
2.	Dr.M.Kannan	Ph.D	Anna Univ.	Thermal	01-05-2020	3	Professor	Professor	-	Regular	-	No	31-05-2023
3.	Dr. R Chinnaraj	Ph.D	Anna Univ.	Thermal	25-07-2016	6.10	Professor	Professor	-	Regular	-	No	31-05-2023
4.	Dr.D Easu	Ph.D	Anna Univ.	Design	19-06-2001	22	Lecturer	Associate Professor	01-07-2011	Regular	-	Yes	-
5.	Mr.S Jesudass Thomas	M.E.	Anna Univ.	Manufacturing	19-05-2014	9	Associate Professor	Associate Professor	-	Regular	-	Yes	-
6.	Dr.T.Raja	Ph.D	Anna Univ.	Composites	05-07-2019	3.11	Associate Professor	Associate Professor	-	Regular	-	No	30-06-2023
7.	Mr. R Chandramohan	M.E.	Anna Univ.	Thermal	12-04-2021	2	Associate Professor	Associate Professor	-	Regular	-	Yes	-
8.	Dr.M.Vignesh Kumar	Ph.D	Annamalai Univ.	Design	27-06-2016	7	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
9.	Dr.S Gopinath	Ph.D	Anna Univ.	Thermal	03-08-2022	1	Assistant Professor	Assistant Professor	-	Regular	-	Yes	--
10.	Dr.V.Gopal	Ph.D	Anna Univ.	CAD	03-09-2009	14	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
11.	Dr. A Hemalatha	Ph.D	Anna Univ.	Design	18-06-2018	4.11	Assistant Professor	Assistant Professor	-	Regular	-	No	31-05-2023
12.	Mr.I.Manikandan	M.E.	Anna Univ.	Production	09-12-2016	6.6	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-

13.	Mr.K Gobivel	M.E.	Anna Univ.	Manufacturing	22-06-2015	8	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
14.	Mr. M Arul Inigo Raja	M.E.	Anna Univ.	CAD	15-06-2012	10	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
15.	Mr. Marx Raghu Raja	M.S.	Carinthia Univ.	Systems Design	17-06-2019	3.11	Assistant Professor	Assistant Professor	-	Regular	-	No	31-05-2023
16.	Mr. M Sivashankar	M.Tech.	BSARC.	Manufacturing	20-07-2015	7.10	Assistant Professor	Assistant Professor	-	Regular	-	No	31-05-2023
DEPARTMENT OF AUTOMOBILE ENGINEERING													
17.	Dr. T Mothilal	Ph.D	Anna Univ.	Thermal	01-04-2019	4	Professor	Professor	-	Regular	-	Yes	-
18.	Dr. V Dillibabu	Ph.D	Anna Univ.	Gasification	03-08-2021	2	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
19.	Dr, A Arivazhagan	Ph.D	Anna Univ.	Vehicle Dynamics	11-07-2022	1	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
20.	Mr.S Mathavan	M.E.	Anna Univ.	IC Engines	03-06-2019	3	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
21.	Mr. M Nelson Prem Kumar	M.E.	Hindustan Univ.	Automobile Engineering	29-07-2020	2	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
22.	Mr.E Britto Sebastiraj	M.E.	Anna Univ.	Thermal	03-08-2021	1.9	Assistant Professor	Assistant Professor	-	Regular	-	No	31-05-2023
DEPARTMENT OF MECHATRONICS ENGINEERING													
23.	Dr. A Tony Thomas	Ph.D	Anna Univ.	Thermal	16-08-2021	1.9	Associate Professor	Associate Professor	-	Regular	-	No	31-05-2023
24.	Mr. K K Manivannan	M.E.	Anna Univ.	Embedded System	11-07-2022	1	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
25.	Ms. M Shanmuga Priya	M.E.	Anna Univ.	PED	18-06-2018	5	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
26.	Ms. G Bhavani Bharathi	M.E.	Anna Univ.	Medical Electronics	22-06-2015	8	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
27.	Ms. P Vinotha	M.E.	Anna Univ.	VLSI Design	19-06-2019	4	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
28.	Ms. M Lavanya	M.E.	Anna Univ.	Applied Electronics	23-06-2014	8.11	Assistant Professor	Assistant Professor	-	Regular	-	No	31-05-2023
29.	Mr. Ajjeet Verghese	MS	Univ. of Leeds	Mechatronics &Robotics	22-03-2021	2.2	Assistant Professor	Assistant Professor	-	Regular	-	No	31-05-2023

C2: Student-Faculty Ratio (SFR)

Year	CAY 2024-25	CAYm1 2023-24	CAYm2 2022-23
UG ₁ . B // 2 nd year students of UG ₁ program	33	33	33
UG ₁ . C // 3 rd year students of UG ₁ program	33	33	99
UG ₁ . D // 4 th year students of UG ₁ program	33	99	128
UG ₁ // Total no.of students(2 nd , 3 rd , 4 th) in UG ₁ program	99	165	260
UG _n . B // 2 nd year students of UG _n program	33	33	33
UG _n . C // 3 rd year students of UG _n program	33	33	33
UG _n . D // 4 th year students of UG _n program	33	33	66
UG _n // Total no.of students(2 nd , 3 rd , 4 th) in UG _n program	99	99	132
PG ₁ . A // 1 st year students of PG ₁ program	31	33	33
PG ₁ . B // 2 nd year students of PG ₁ program	33	33	33
PG ₁ // Total no.of students(1 st , 2 nd) in PG ₁ program	33	33	66
.....	97	99	132
PG _m . A // 1 st year students of PG _m program	12	12	12
PG _m . B // 2 nd year students of PG _m program	12	12	12
PG _m // Total no.of students(1 st , 2 nd) in PG _m program	24	24	24
DS=Total no. of students in all UG and PG programs in the Department	123	189	284
AS=Total no. of students of all UG and PG programs in allied departments	196	198	264
S=Total no. of students in the Department (DS) and allied departments (AS)	319	387	548
DF=Total no. of faculty members in the Department	13	16	16
AF= Total no. of faculty members in the allied Departments	11	12	13
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	24	28	29
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=319/24 =13.29	SFR2= 387/28=13.82	SFR3= 548/29 =18.90
Average SFR for 3 years	Average SFR=(SFR1+SFR2+SFR3)/3 =15.34		

C3: Faculty Qualification**Table No.C3.1:** Faculty qualification.

Year	X	Y	RF	$FQI = 2.5 * [(10X + 4Y)/RF]$
CAY 2024-25	17	7	15.95	31.03
CAYm1 2023-24	17	11	19.35	27.65
CAYm2 2022-23	13	16	27.4	17.7
Average Assessment				17

C4: Faculty Cadre Proportion**Table No.C4.1:** Faculty cadre proportion details.

Year	Professors		Associate Professors		Assistant Professors	
	Required Faculty(RF1)	Available Faculty(AF1)	Required Faculty(RF2)	Available Faculty(AF2)	Required Faculty(RF3)	Available Faculty(AF3)
CAY	2	5	4	6	11	13
CAYm1	3	6	5	4	13	18
CAYm2	3	4	6	3	18	22
Average Numbers	RF1=2.67	AF1= 5	RF2= 5	AF2=4.33	RF3=14	AF3=17.67

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)				
1	Dr. N. Govindaraju	Retired Professor & Industrialist	Engineering Graphics, Engineering Mechanics, Metrology & Measurements, Project Reviews	ODD Semester: 30 hours Even Semester: 30 hours
2	Dr. T S Ravikumar	Retired Professor	Thermal Engineering Project Reviews Mentor for OBE Practices	ODD Semester: 30 hours Even Semester: 30 hours
Total no. of hours:				120
CAYm2 (2022-23)				
1	Dr. N. Govindaraju	Retired Professor & Industrialist	Engineering Graphics, Engineering Mechanics, Metrology & Measurements, Project Reviews	ODD Semester: 30 hours Even Semester: 30 hours
2	Dr. T S Ravikumar	Retired Professor	Thermal Engineering Project Reviews Mentor for OBE Practices	ODD Semester: 30 hours Even Semester: 30 hours
Total no. of hours:				120
CAYm3 (2021-22)				
1	Dr. N. Govindaraju	Retired Professor & Industrialist	Engineering Graphics, Engineering Mechanics, Metrology & Measurements, Project Reviews	ODD Semester: 30 hours Even Semester: 30 hours
2	Dr. T S Ravikumar	Retired Professor	Thermal Engineering Project Reviews Mentor for OBE Practices	ODD Semester: 30 hours Even Semester: 30 hours
Total no. of hours:				120

C6: Academic Research**Table No. C6.1:** Faculty publication details.

S.N.	Item	CAYm1 2023-24	CAYm2 2022-23	CAYm3 2021-22
1	No. of peer reviewed journal papers published	48	4	8
2	No. of peer reviewed conference papers published	35	12	8
3	No. of books/book chapters published	17	--	1

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

S.N.	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)
CAYm1(2023-24)							
1	Dr.S. Gopinath	-	Mechanical	Mentor Mentee Scheme	AICTE - MoE	2 Years	2.25
2	Dr.M. Vignesh Kumar	Dr. S Jesudass Thomas	Mechanical	Seminar	SERB	1 Year	1.00
3	Dr.M. Vignesh Kumar	-	Mechanical	Hackathon	MSME	2 Years	14.5
4	Dr. M Arulprakasajothi	-	Mechanical	Fabrication of Graphene Coated Cu Heat Sink for Electric Vehicle Battery Thermal Management	TARE-SERB	3 Years	2.75 Lacs
Amount received (Rs.)							20.5 Lacs
CAYm2(2022-23)							
Amount received (Rs.)							
CAYm3(2021-22)							
1.	Dr. G. Prabhakaran		Atal Tunnel – YUVAK scheme		AICTE	01.11.2021 to 03.11.2021	2 Lacs
2.	Dr. G. Prabhakaran		AICTE MODROB		AICTE	2020-2022	9 Lacs
3.	Dr. M Vignesh Kumar			Design and development of multi- purpose smart vending cart integrated with a Mobile application	TNSCST	Feb - 2022	0.075 Lacs
Amount received (Rs.)							11.075 Lacs
Total Amount (Lacs) Received for the Past 3 Years							31.575 Lacs

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

S.N.	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)
CAYm1 (2023-24)							
1.	Dr. V. Andal	Dr. Z Edward Kennedy Ms. Priya Bijesh	Mechanical	Carbon fertilizer Project	Thejo Engineering Limited	6 months	1 lac
2.	Dr. V. Andal	Dr. Z Edward Kennedy Ms. K. Buvaneswari	Mechanical	Recycling of Tejo rubber oil by green approach	Thejo Engineering Limited	6 months	1 lac
3.	Dr. Z Edward Kennedy	Dr.V.Andal Ms. G.Jayanthi	Mechanical	Self-healing Anticorrosive rubber based brush able coatings	Thejo Engineering Limited	6 months	1 lac
4.	Dr. S Jesudass Thomas	Mr. I Manikandan	Mechanical	AI and Machine Learning Applications in Predictive NDT	Shri SAI NDT	6 months	3 Lacs
5	Dr D Easu	Dr V Gopal	Mechanical	Mechanical properties Evaluation and Performance enhancement of high pressure die cast component	CRP India Pvt. Ltd.	1 Year	1 Lac
Amount received (Rs.)							7 Lacs
CAYm2 (2022-23)							
1.	Dr.S.Jesudass Thomas	-	Casting Preparation	Casting for Projects	-	1 year	0.83 Lacs
2.	Dr. S Jesudass Thomas	Mr. I Manikandan	Mechanical	Sustainability in NDT: Reducing Environmental impact through Smart Inspection Planning	Shri SAI NDT	6 months	2.3 Lacs
3.	Dr D Easu	Dr V Gopal	Mechanical	Process Parameter optimization for dimensional accuracy in HPTC Components	CRP India Pvt. Ltd.	1 Year	1 Lac
Amount received (Rs.)							4.13 Lacs
CAYm3 (2021-22)							
1.	Dr.S.Jesudass Thomas	-	Casting Preparation	Casting for Projects	-	1 year	0.9 Lacs
2.	Dr.S.Jesudass Thomas	-	Mechanical	Training in Mechanical Laboratories to B.E graduates (27 Nos.) recruited by Sanmar Group	Sanmar Group		1.62 Lacs

3.	Dr.S.Jesudass Thomas	-	Mechanical	Training in Mechanical Laboratories to Diploma Candidates (8 Nos.) recruited by Sanmar Group	Sanmar Group		0.24 Lacs
4.	Dr. S Jesudass Thomas	Mr. I Manikandan	Mechanical	Standardization Needs for Emerging NDT Techniques in Industry 4.0	Shri SAI NDT	6 months	3.5 Lacs
Amount received (Rs.)							6.26 Lacs
Total amount (Lacs) received for the past 3 years							17.39 Lacs

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 (Lacs)	Amount Utilized (Lacs)	Outcomes of the project
CAYm1(2023-24)						
1	Dr.Vignesh Kumar	SAE Event	1 Year	3	3	Students Prototype
Amount received (Rs.)				3		
CAYm2(2022-23)						
1	Dr.Vignesh Kumar	SAE Event	1 Year	3	3	Students Prototype
Amount received (Rs.)				3		
CAYm3(2021-22)						
1	Dr.Vignesh Kumar	SAE Event	1 Year	3	3	Students Prototype
Amount received (Rs.)				3		
Total amount (Lacs) received for the past 3 years				9	9	

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.

S. No.	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the major equipment	Weekly utilization status (all the courses for which the lab is utilized)	Technical Manpower support		
					Name of the technical staff	Designation	Qualification
1.	Strength of Materials Laboratory	5	Universal testing machine, Torsion testing machine, Brinell Hardness testing machine, Spring testing machine and Jomny End Quenching machine.	20 Hours CE8381(R2017) CE3481(R2021), 23CE412(R2023) AS3361(R2021) CE8481(R2017)	Mr V Sabu	Lab Instructor	BSC Physics, AMIE (Mechanical Engineering)
2.	Heat Transfer Laboratory	5	Pin Fin apparatus, Heat exchanger – parallel & Counter flow apparatus, Air conditioning test rig and Stefan-Boltzmann apparatus.	20 Hours ME3682(R2021), ME8512(R2017)	Mr D Karthikeyan	Lab Instructor	ITI (Fitter), BA (History)
3.	Thermal Engineering Laboratory	5	Twin cylinder diesel engine, Single cylinder diesel engine, Air compressor and Multi- cylinder petrol engine.	20 Hours AS3361(R2021) AE8311(R2017) ME3461(R2021) ME8512(R2017)	Mr. D Karthikeyan	Lab Instructor	ITI (Fitter), BA (History)
4.	Fluid Mechanics and Machinery Laboratory	5	Pelton turbine, Francis turbine, Centrifugal pump, Reciprocating pump, Gear oil pump and Friction in pipes.	20 Hours CE3362(R2021) CE8381(R2017)	Mr. T Ganesh	Lab Instructor	ITI
5.	Machine Shop	5	Lathe, Capstan lathe, Radial drilling machine, Centreless grinding machine, Gear hobbing, Shaping machine and Milling machine	35 Hours ME3382(R2021) ME8361(R2021) ME8462(R2017)	Mr V Sabu	Lab Instructor	BSC Physics, AMIE (Mechanical Engineering)
6.	CAD/CAM Laboratory.	15	AutoCAD Software, SolidWorks software, ANSYS Software, CNC Milling and CNC Lathe machines	35 Hours ME8381(R2017) ME8681(R2017) ME8711(R2017) ME3681(R2021) ME3381(R2021) 23ME321(R2023) 23ME211 (R2023)	Mr. C Viswanathan	Lab Instructor	Bachelor of Automobile Engineering

7.	Metrology Laboratory	5	Gear tooth Vernier, Mechanical Comparator, Sine bar, Auto Collimator & Angle Dekkor, Tool Makers Microscope, CMM	8 Hours ME3581(R2021) 23ME511(R2023) ME8513(R2017)	Mr. C Viswanathan	Lab Instructor	Bachelor of Automobile Engineering
8.	Dynamics Laboratory	5	Vibrating table apparatus, Dynamic balancing machine, CAM analysis machine, Whirling of shaft Apparatus and Motorized gyroscope.	16 Hours ME3581(R2021) ME8511(R2017) 23ME312(R2023) 23ME422(R2023)	Mr V Sabu	Lab Instructor	BSC Physics, AMIE (Mechanical Engineering)
9.	Fluid Power Laboratory	5	PLC –RTA Hydraulic linear actuation trainer, Electro pneumatic trainer with PLC, Servo controller inter phasing for open loop and closed loop, Hydraulic and Pneumatic simulation software.	8 Hours ME3781(R2021) ME8781(R2017)	Mr. A Charles	Lab Instructor	ITI
10.	Engineering Practices Laboratory	5	Arc Welding Machine, Power hacksaw machine, Jig saw, Anvil and Bench vice.	35 Hours GE8261(R2017) GE3271(R2021) 23ME221(R2023)	Mr. D Karthikeyan / Mr. Arul	Lab Instructor	ITI (Fitter), BA (History)/ Carpenter
11.	Research Laboratory	-	Stir casting machine, Slurry corrosion erosion tester and Computer controlled potentiostate Galvanostate & standard corrosion cell kit.	20 Hours ME3811(R2021) ME8811(R2017) ME8682(R2017)	Mr. D Karthikeyan	Lab Instructor	ITI (Fitter), BA (History)
12.	SAE Fabrication Laboratory	-	Basic workshop power tools with welding hand grinding and hand drilling machines.	24/7 ME3811(R2021) ME8811(R2017) ME8682(R2017)	Dr Vigensh Kumar M	Faculty	Ph.D
13.	BOSCH Centre of Excellence	-	Battery Tester, Air Conditioning System, Electrical Test Bench, Injector Tester, OBD System.	20 Hours	Dr Vigensh Kumar M	Faculty	Ph.D

D2: Safety Measures in Laboratories

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

S.N.	Name of the Laboratory	Safety measures
1.	Strength of Materials Laboratory	First Aid Box: First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors. Safety Measures: Standard Operating Procedures (SOP) are strictly followed for all the equipment. For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed. Machine capacity and details are displayed in each machine. Proper guards are provided in all the running parts of the machines. Students must follow Lab dress code properly. Safety glasses and gloves are provided to the students while operating the machines. Machines are properly covered with safe guards. The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant. Fire Fighting Equipment Each lab is equipped with Fire Extinguishers that are placed at accessible locations. Unobstructed access is provided to all exits and fire extinguishers. Work instructions and supervision are provided. Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories. Housekeeping Equipment, shop bench, computers, and other work areas are regularly cleaned. The working area and equipment are cleanly maintained and organized.
2.	Heat Transfer Laboratory	First Aid Box: First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors. Safety Measures: Standard Operating Procedures are strictly followed for all the equipment. For emergency situations or conditions, contact numbers of Ambulance, Fire service, and security officers are displayed. Machine capacity and details are displayed in each machine. Proper guards are provided in all the running parts of the machines. Students must follow the Lab dress code properly. Safety glasses and gloves are provided to the students while operating the machines. Machines are properly covered with safeguards. The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant.

		Electrical Safety: All electrical equipment and components are inspected and approved by the competent authority. Formal training and awareness programs are arranged on electrical appliances. Working space around Lab equipment and machines are maintained properly. All electrical panels, cables, and devices are thoroughly checked periodically. Earth Connections are checked periodically. A circuit breaker is provided in each and every main supply panel. Electrical Installation is periodically monitored to avoid leakage. There are 13 lightning arresters installed and maintained at various locations within the Institution. The operation circle of the lightning arresters covers all the buildings and structures in the campus. Each lab is equipped with Fire Extinguishers that are placed at accessible locations. Unobstructed access is provided to all exits and fire extinguishers. Work instructions and supervision are provided. Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories.
3.	Thermal Engineering Laboratory	First Aid Box: First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors. Safety Measures: Standard Operating Procedures are strictly followed for all the equipment. For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed. Machine capacity and details are displayed in each machine. Proper guards are provided in all the running parts of the machines. Students must follow Lab dress code properly. Safety glasses and gloves are provided to the students while operating the machines. Machines are properly covered with safe guards. The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant. Fire Fighting Equipment Each lab is equipped with Fire Extinguishers that are placed at accessible locations. Unobstructed access is provided to all exits and fire extinguishers. Work instructions and supervision are provided. Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories. Housekeeping Equipment, shop bench, computers, and other work areas are regularly cleaned. The working area and equipment are cleanly maintained and organized.
4.	Fluid Mechanics and Machinery Laboratory	First Aid Box: First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors. Safety Measures:

		Standard Operating Procedures are strictly followed for all the equipment. For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed. Machine capacity and details are displayed in each machine. Proper guards are provided in all the running parts of the machines. Students must follow Lab dress code properly. Safety glasses and gloves are provided to the students while operating the machines. Machines are properly covered with safe guards. The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant. Fire Fighting Equipment Each lab is equipped with Fire Extinguishers that are placed at accessible locations. Unobstructed access is provided to all exits and fire extinguishers. Work instructions and supervision are provided. Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories. Housekeeping Equipment, shop bench, computers, and other work areas are regularly cleaned. The working area and equipment are cleanly maintained and organized.
5.	Machine Shop Laboratory	First Aid Box: First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors. Safety Measures: Standard Operating Procedures are strictly followed for all the equipment. For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed. Machine capacity and details are displayed in each machine. Proper guards are provided in all the running parts of the machines. Students must follow Lab dress code properly. Safety glasses and gloves are provided to the students while operating the machines. Machines are properly covered with safe guards. The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant. Fire Fighting Equipments Each lab is equipped with Fire Extinguishers that are placed at accessible locations. Unobstructed access is provided to all exits and fire extinguishers. Work instructions and supervision are provided. Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories. Housekeeping Equipment, shop bench, computers, and other work areas are regularly cleaned. The working area and equipment are cleanly maintained and organized.

6	CAD/CAM Laboratory.	First Aid Box: First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors. Report to lab in charge in case any problem and do not install / debug without their knowledge. Keep all your files in one folder with proper password and keep it confidential In time and out time should be entered in the register Without permission don't copy anything from the system with pen drives or CD's. Shut down the PC while you are leaving the lab Do and Don'ts are displayed in the laboratory.
7	Metrology Laboratory	First Aid Box: First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors. Safety Measures: Standard Operating Procedures are strictly followed for all the equipment. For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed. Machine capacity and details are displayed in each machine. Proper guards are provided in all the running parts of the machines. Students must follow Lab dress code properly. Safety glasses and gloves are provided to the students while operating the machines. Machines are properly covered with safe guards. The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant. Fire Fighting Equipment Each lab is equipped with Fire Extinguishers that are placed at accessible locations. Unobstructed access is provided to all exits and fire extinguishers. Work instructions and supervision are provided. Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories. Housekeeping Equipment, shop bench, computers, and other work areas are regularly cleaned. The working area and equipment are cleanly maintained and organized.
8	Dynamics Laboratory	First Aid Box: First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors. Safety Measures: Standard Operating Procedures are strictly followed for all the equipment. For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed. Machine capacity and details are displayed in each machine. Proper guards are provided in all the running parts of the machines. Students must follow Lab dress code properly. Safety glasses and gloves are provided to the students while operating the machines.

		Machines are properly covered with safe guards. The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant. Fire Fighting Equipment Each lab is equipped with Fire Extinguishers that are placed at accessible locations. Unobstructed access is provided to all exits and fire extinguishers. Work instructions and supervision are provided. Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories. Housekeeping Equipment, shop bench, computers, and other work areas are regularly cleaned. The working area and equipment are cleanly maintained and organized.
9	Mechatronics Laboratory	First Aid Box: First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors. Safety Measures: Standard Operating Procedures are strictly followed for all the equipment. For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed. Machine capacity and details are displayed in each machine. Proper guards are provided in all the running parts of the machines. Students must follow Lab dress code properly. Safety glasses and gloves are provided to the students while operating the machines. Machines are properly covered with safe guards. The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant. Fire Fighting Equipment Each lab is equipped with Fire Extinguishers that are placed at accessible locations. Unobstructed access is provided to all exits and fire extinguishers. Work instructions and supervision are provided. Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories. Housekeeping Equipment, shop bench, computers, and other work areas are regularly cleaned. The working area and equipment are cleanly maintained and organized.
10.	Engineering Practices Laboratory	First Aid Box: First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors. Safety Measures: Standard Operating Procedures are strictly followed for all the equipment. For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed. Machine capacity and details are displayed in each machine. Proper guards are provided in all the running parts of the machines.

		Students must follow Lab dress code properly. Safety glasses and gloves are provided to the students while operating the machines. Machines are properly covered with safe guards. The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant. Fire Fighting Equipment Each lab is equipped with Fire Extinguishers that are placed at accessible locations. Unobstructed access is provided to all exits and fire extinguishers. Work instructions and supervision are provided. Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories. Housekeeping Equipment, shop bench, computers, and other work areas are regularly cleaned. The working area and equipment are cleanly maintained and organized.
11.	Research Laboratory	First Aid Box: First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors. Safety Measures: Standard Operating Procedures are strictly followed for all the equipment. For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed. Machine capacity and details are displayed in each machine. Proper guards are provided in all the running parts of the machines. Students must follow Lab dress code properly. Safety glasses and gloves are provided to the students while operating the machines. Machines are properly covered with safe guards. The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant. Fire Fighting Equipment Each lab is equipped with Fire Extinguishers that are placed at accessible locations. Unobstructed access is provided to all exits and fire extinguishers. Work instructions and supervision are provided. Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories. Housekeeping Equipment, shop bench, computers, and other work areas are regularly cleaned. The working area and equipment are cleanly maintained and organized.
12.	SAE Fabrication Laboratory	First Aid Box: First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors. Safety Measures: Standard Operating Procedures are strictly followed for all the equipment. For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed.

		Machine capacity and details are displayed in each machine. Proper guards are provided in all the running parts of the machines. Students must follow Lab dress code properly. Safety glasses and gloves are provided to the students while operating the machines. Machines are properly covered with safe guards. The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant. Fire Fighting Equipment Each lab is equipped with Fire Extinguishers that are placed at accessible locations. Unobstructed access is provided to all exits and fire extinguishers. Work instructions and supervision are provided. Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories. Housekeeping Equipment, shop bench, computers, and other work areas are regularly cleaned. The working area and equipment are cleanly maintained and organized.
13	BOSCH Centre of Excellence	First Aid Box: First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors. Safety Measures: Standard Operating Procedures are strictly followed for all the equipment. For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed. Machine capacity and details are displayed in each machine. Proper guards are provided in all the running parts of the machines. Students must follow Lab dress code properly. Safety glasses and gloves are provided to the students while operating the machines. Machines are properly covered with safe guards. The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant. Fire Fighting Measurements Each lab is equipped with Fire Extinguishers that are placed at accessible locations. Unobstructed access is provided to all exits and fire extinguishers. Work instructions and supervision are provided. Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories. Housekeeping Equipment, shop bench, computers, and other work areas are regularly cleaned. The working area and equipment are cleanly maintained and organized.

D3: Project Laboratory/Research Laboratory**Table No. D3.1:** List of project laboratory/research laboratory /Centre of Excellence.**Project / Research Laboratories and Facilities**

S. No.	Name of the Laboratory
1	Research Lab
2	Dynamics lab
3	Heat Transfer lab
4	CAD/CAM Lab

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))/RF4
CAY 2024-25	870	44	35	57	89.55
CAYm1 2023-22	810	41	34	70	100
CAYm2 2021-22	660	33	33	32	99.39

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 CFY	Actual Expenses in CFY	Budgeted in CFYm1	Actual Expenses in CFYm1	Budgeted in CFYm2	Actual Expenses in CFYm2	Budgeted in CFYm3	Actual Expenses in CFYm3
	2024-25	2024-25	2023-24	2023-24	2022-23	2022-23	2021-22	2021-22
Infrastructure Built-Up	3,60,00,000	3,59,25,689	5,60,00,000	5,61,63,123	1,90,00,000	1,87,29,613	2,00,00,000	2,01,08,831
Library	20,00,000	19,36,280	35,00,000	34,85,117	19,00,000	18,84,910	13,50,000	13,08,569
Laboratory equipment	1,80,00,000	1,80,12,060	65,00,000	63,54,644	1,10,00,000	1,16,51,630	2,60,00,000	2,55,47,392
Teaching and non-teaching staff salary	18,50,00,000	18,55,94,081	15,50,00,000	15,33,50,809	14,25,00,000	14,14,16,661	11,50,00,000	11,38,23,783
Outreach Programs			30,00,000	29,11,763	34,00,000	33,75,312		
R&D	50,00,000	50,94,808	35,00,000	34,38,811	14,50,000	14,59,483	23,00,000	22,68,788
Training, Placement and Industry linkage	2,60,00,000	2,61,18,718	1,80,00,000	1,85,83,528	80,00,000	80,14,359	55,00,000	54,14,957
SDGs	11,00,000	11,00,000	9,00,000	8,80,000	8,00,000	7,74,000		
Entrepreneurship	10,00,000	9,97,948	8,00,000	7,62,000	4,00,000	3,75,000		
Others, specify#	19,20,00,000	19,08,88,840	17,25,00,000	17,14,52,268	11,75,00,000	11,65,36,563	10,50,00,000	10,57,75,896
Total amount	46,61,00,000	46,56,68,424	41,97,00,000	41,73,82,063	30,59,50,000	30,42,17,531	27,51,50,000	27,42,48,216

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 CFY	Actual Expenses in CFY	Budgeted in CFYm1	Actual Expenses in CFYm1	Budgeted in CFYm2	Actual Expenses in CFYm2	Budgeted in CFYm3	Actual Expenses in CFYm3
	2024-25	2024-25	2023-24	2023-24	2022-23	2022-23	2021-22	2021-22
Laboratory equipment	655000	659690	125000	97999	3430000	3403880	1980000	1968391
Software	220000	220000	220000	220000	220000	220000	220000	220000
SDGs	78571	78571	64286	62857	57143	55286	-	-
Support for faculty development	65000	56000	76000	72345	83000	71236	0	0
R & D	350000	300000	350000	300000	350000	300000	350000	300000
Industrial Training, Industry expert, Internship	200000	195800	200000	198000	200000	197500	200000	188500
Miscellaneous expenses *	1198886	1134248	427609	400361	733333	617325	412500	394547
Total amount	2767457	2644309	1462895	1351563	5018748	4865227	3162500	3071438

