NATIONAL BOARD OF ACCREDITATION

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

Program Name : Aeronautical Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 11672	**Date of Submission**: 23-03-2026

PART A- Profile of the Institute

A1.Name of the Institute: HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 1999-2000	Location of the Institute: SemiUrban
A2. Institute Address:HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY,OTHAKALMANDAPAM POST,COIMBATORE 641 032	
City:Coimbotore	State:Tamil Nadu
Pin Code:641032	Website:www.hicet.ac.in
Email:HINDUSTHAN107@GMAIL.COM	Phone No(with STD Code):0422-4242424
A3. Name and Address of the Affiliating University (if any):	
Name of the University : ANNA UNIERSITY CHENNAI	City: Chennai
State : Tamil Nadu	Pin Code: 600025
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **17**
- No. of PG programs: **7**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Computer Application	PG	Master of Computer Application	2005	--	Computer Application
2	Engineering & Technology	UG	Aeronautical Engineering	2005	--	Aeronautical Engineering
3	Engineering & Technology	UG	Agricultural Engineering	2018	--	Agricultural Engineering
4	Engineering & Technology	PG	Applied Electronics	2009	2024	Electronics and Communication Engineering
5	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2020	--	Artificial Intelligence and Machine Learning
6	Engineering & Technology	UG	Automobile Engineering	2014	--	Automobile Engineering
7	Engineering & Technology	UG	Biomedical Engineering	2018	--	Biomedical Engineering
8	Engineering & Technology	PG	CAD/CAM	2006	--	Mechanical Engineering
9	Engineering & Technology	UG	Chemical Engineering	2019	--	Chemical Engineering
10	Engineering & Technology	UG	Civil Engineering	2009	--	Civil Engineering

11	Engineering & Technology	PG	Communication Systems	2006	--	Electronics and Communication Engineering
12	Engineering & Technology	UG	Computer Science and Business System	2025	--	Computer Science and Business System
13	Engineering & Technology	PG	Computer Science and Engineering	2011	--	Computer Science and Engineering
14	Engineering & Technology	UG	Computer Science and Engineering	2000	--	Computer Science and Engineering
15	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2024	--	Computer Science and Engineering (Cyber Security)
16	Engineering & Technology	UG	Electrical and Electronics Engineering	2002	--	Electrical and Electronics Engineering
17	Engineering & Technology	UG	Electronics & Communication Engineering	2000	--	Electronics and Communication Engineering
18	Engineering & Technology	UG	Electronics & Instrumentation Engineering	2011	--	Electronics and Instrumentation Engineering
19	Engineering & Technology	PG	Embedded Systems	2021	--	Electrical and Electronics Engineering
20	Engineering & Technology	UG	Food Technology	2018	--	Food Technology
21	Engineering & Technology	UG	Information Technology	2002	--	Information Technology
22	Engineering & Technology	UG	Mechanical Engineering	2000	--	Mechanical Engineering
23	Engineering & Technology	UG	Mechatronics Engineering	2011	--	Mechatronics Engineering
24	Management	PG	Master of Business Administration	2005	--	Management

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Aeronautical Engineering	No	Aeronautical Engineering	UG
Civil Engineering	No	Civil Engineering	UG
Automobile Engineering	Yes	Automobile Engineering	UG
Mechatronics Engineering	Yes	Mechatronics Engineering	UG

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

No Record

PART-B: Program information

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

Table No. B1: Program details.
A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Aeronautical Engineering	UG	2005 / --	60	Yes	2021	60	2021	F.No. Southern/1-44641759947/2025/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	1	4

Sanctioned Intake for Last Five Years for the Aeronautical Engineering	
Academic Year	**Sanctioned Intake**
2025-26	60
2024-25	60
2023-24	60
2022-23	60
2021-22	60
2020-21	120

List of the Allied Departments/Cluster and Programs:

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

A. Name of the HoD :	GOPINATHAN V T
B. Nature of appointment:	Regular
C. Qualification:	M.E. and Ph.D.

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	60	60	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	60	58	60	59	60	66	70
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	1	1	1	3	15	6
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	1	2	1	3	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	61	61	62	63	63	81	76

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

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

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	60	60	1	101.67
2024-25 (CAYm1)	60	58	2	100.00
2023-24 (CAYm2)	60	60	1	101.67

Average [(ER1 + ER2 + ER3) / 3] = 101.11≡ 100

B5. Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	63.00	135.00	126.00
B=No. of students who graduated from the program in the stipulated course duration	50.00	58.00	64.00
Success Rate (SR)= (B/A) * 100	79.37	42.96	50.79

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 57.71

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

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

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
Mean of CGPA or mean percentage of all successful students(X)	8.05	7.84	7.86
Y=Total no. of successful students	60.00	61.00	62.00
Z=Total no. of students appeared in the examination	60.00	61.00	62.00
API [X*(Y/Z)]	8.05	7.84	7.86

Average API[(AP1+AP2+AP3)/3] : 7.92

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	7.74	7.84	7.43
Y=Total no. of successful students	60.00	63.00	60.00
Z=Total no. of students appeared in the examination	62.00	63.00	63.00
API [X * (Y/Z)]	7.49	7.84	7.08

Average API [(AP1 + AP2 + AP3)/3] : 7.47

B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.76	7.60	7.93

Y=Total no. of successful students	61.00	58.00	76.00
Z=Total no. of students appeared in the examination	63.00	60.00	80.00
API [X*(Y/Z)]:	7.51	7.35	7.53

Average API [(AP1 + AP2 + AP3)/3] : 7.46

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	63.00	135.00	126.00
X=No. of students placed	50.00	65.00	65.00
Y=No. of students admitted to higher studies	4.00	7.00	6.00
Z= No. of students taking up entrepreneurship	1.00	1.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	87.30	54.07	57.14

Average Placement Index = (P_1 + P_2 + P_3)/3: 66.17 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

(Data to be filled in for the Department and Allied Departments)

C1. Faculty details of Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	GOPINATHAN V T	XXXXXXX82A	M.E. and Ph.D.	Anna University	Aeronautical Engineering	02/07/2009	16.8	Lecturer	Professor	16/06/2025	Regular	Yes		Yes
2	PRADHAP RAJ M	XXXXXXX12A	M.E. and Ph.D.	Anna University	Energy Engineering	15/12/2008	15.5	Lecturer	Professor	22/06/2015	Regular	No	07/06/2024	No
3	KARTHIKEYAN P N	XXXXXXX68R	M.E. and Ph.D.	Anna University	Industrial Engineering	04/10/2004	21.5	Lecturer	Professor	10/06/2019	Regular	Yes		No
4	SELVAKUMAR S	XXXXXXX19E	M.E. and Ph.D.	Anna University	CAD/CAM	05/06/2023	1	Associate Professor	Associate Professor	05/06/2023	Regular	No	07/06/2024	No
5	GANESH M	XXXXXXX03J	M.E. and Ph.D.	Anna University	Aeronautical Engineering	08/01/2010	16.1	Lecturer	Associate Professor	10/07/2020	Regular	Yes		No

6	VEERAMANIKANDAN R	XXXXXXX37K	M.E.	Hindustan University	Aeronautical Engineering	04/06/2012	13.9	Assistant Professor	Assistant Professor		Regular	Yes		No
7	SARAVANAN R	XXXXXXX26C	M.E.	Hindustan University	Aeronautical Engineering	25/06/2012	13.8	Assistant Professor	Assistant Professor		Regular	Yes		No
8	SHABANA A	XXXXXXX35L	M.E.	Anna University	Industrial Engineering	25/06/2012	11.11	Assistant Professor	Assistant Professor		Regular	No	07/06/2024	No
9	ARUN RAJA K K	XXXXXXX99Q	M.Tech	Hindustan University	Aeronautical Engineering	24/06/2013	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
10	MANOJ KUMAR K	XXXXXXX36G	M.Tech	Hindustan University	Aeronautical Engineering	23/06/2014	11.8	Assistant Professor	Assistant Professor		Regular	Yes		No
11	SIVARAMAN S	XXXXXXX70A	M.Tech	Hindustan University	Aeronautical Engineering	22/06/2015	8.11	Assistant Professor	Assistant Professor		Regular	No	07/06/2024	No
12	ARULMOZHINATHAN T	XXXXXXX36K	M.E.	Anna University	Aeronautical Engineering	04/06/2018	7.8	Assistant Professor	Assistant Professor		Regular	Yes		No
13	MAGESH KUMAR M	XXXXXXX59G	M.E.	Anna University	Thermal Engineering	05/06/2018	7.8	Assistant Professor	Assistant Professor		Regular	Yes		No
14	SHYAMILA S P	XXXXXXX10B	M.E.	Anna University	Aerospace Technology	08/06/2018	6	Assistant Professor	Assistant Professor		Regular	No	07/06/2024	No
15	SARAVANA KUMAR V	XXXXXXX53G	M.E.	Anna University	CAD/CAM	12/06/2018	7.8	Assistant Professor	Assistant Professor		Regular	Yes		No
16	TAMIL VENDAN D	XXXXXXX30H	M.E.	Anna University	Aeronautical Engineering	05/09/2019	5.9	Assistant Professor	Assistant Professor		Regular	No	06/06/2025	No
17	PRAMODASS C	XXXXXXX11M	M.Tech	Jawaharlal Nehru Technological University	Aerospace Engineering	01/06/2020	4	Assistant Professor	Assistant Professor		Regular	No	07/06/2024	No
18	KATHIRVEL K	XXXXXXX85C	M.E.	Anna University	Thermal Engineering	01/07/2021	4.8	Assistant Professor	Assistant Professor		Regular	Yes		No

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

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):
UG1=1st UG program
UGn=nth UG program
B= No. of Students in UG 2nd year (ST)
C= No. of Students in UG 3rd year (ST)
D= No. of Students in UG 4th year (ST)
No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):
PG1=1st PG program.
PGm=mth PG program
A= No. of Students in PG 1st year
B= No. of Students in PG 2nd year
Student Faculty Ratio **(SFR)** = S/F
S= No. of students of all programs in the Department including all students of allied departments/clusters.

No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)
Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.
F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

No. of UG Programs in the Department1 No. of PG Programs in the Department0

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

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B	61	61	61
UG1.C	61	61	63
UG1.D	61	63	132
UG1: Aeronautical Engineering	**183**	**185**	**256**
DS=Total no. of students in all UG and PG programs in the Department	183	185	256
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 183	**S2=** 185	**S3=** 256
DF=Total no. of faculty members in the Department	11	12	18
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 11	**F2=** 12	**F3=** 18
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 18.30**	**SFR2= 16.82**	**SFR3= 15.06**
Average SFR for 3 years	**SFR= 16.73**		

C3. Faculty Qualification

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

Table No.C3.1: Faculty qualification.

Year	**X**	**Y**	**RF**	**FQ = 2.5 x [(10X + 4Y) / RF)]**
2025-26(CAY)	3	8	9.00	17.22
2024-25(CAYm1)	3	9	9.00	18.33
2023-24(CAYm2)	5	13	12.00	21.25

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	2.00	2.00	1.00	6.00	8.00
2024-25	1.00	1.00	2.00	2.00	6.00	9.00
2023-24	1.00	2.00	2.00	3.00	8.00	13.00
Average	RF1=1.00	AF1=1.67	RF2=2.00	AF2=2.00	RF2=6.67	AF2=10.00

C5. Visiting/Adjunct Faculty/Professor of Practice

Table No. C5.1: List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. V Alaguraj	Founder	Mach Engineers	Aircraft Component Drawing Laboratory	24.00
2	Wg Cdr (Rtd) A Satish Kumar	Director	De Drone World Solutions Pvt. Ltd.	UAV and Aeromodelling Laboratory	18.00
3	Wg Cdr (Rtd) A Satish Kumar	Director	De Drone World Solutions Pvt. Ltd.	Aircraft Rules and Regulations	15.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. V Alaguraj	Founder	Mach Engineers	Aircraft Component Drawing Laboratory	18.00
2	Wg Cdr (Rtd) A Satish Kumar	Director	De Drone World Solutions Pvt. Ltd.	UAV and Aeromodelling Laboratory	18.00
3	Wg Cdr (Rtd) A Satish Kumar	Director	De Drone World Solutions Pvt. Ltd.	Avionics	20.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. V Alaguraj	Founder	Mach Engineers	Structural Simulation Laboratory	18.00
2	Mr. V Alaguraj	Founder	Mach Engineers	Aircraft Component Drawing Laboratory	18.00
3	Mr. Charath Chander Natarajan	Director	MaxCaDD	Additive Manufacturing and Tooling	20.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	15	6	3
2	No. of peer reviewed conference papers published	9	9	3
3	No. of books/book chapters published	4	1	2

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. Saravanan R	-	Aeronautical Engineering	Fabrication of UAV Wings	Mannschaft Engineering Solution Private Limited, Pondicherry	3 Months	1.10
Dr. Ganesh M	-	Aeronautical Engineering	Fabrication of Composite Storage Containers	Gayathri Matches Industries, Coimbatore	3 Months	0.90
Dr. Jaya J	-	Aeronautical Engineering	-	DST (Department of Science and Technology)	5 Years	40.00
						Amount received (Rs.):42.00

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. Saravana Kumar V	-	Aeronautical Engineering	Development of object dropping UAV	De Drone World Solutions Private Limited, Madurai	6 Months	0.78
Dr. Karthikeyan P N	-	Aeronautical Engineering	Development of Composite panel for commercial containers	RAK Containers Private Limited, Coimbatore	6 Months	1.65
Mr. Saravana Kumar V	-	Aeronautical Engineering	Development of Robotic NDT	Vibrant NDT Services Private Limited, Chennai	6 Months	1.13
						Amount received (Rs.):3.56

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Gopinathan V T	-	Aeronautical Engineering	Design and Analysis of Bio – Inspired wing models	Huromata, Coimbatore	6 Months	1.25
Dr. Ganesh M	-	Aeronautical Engineering	Design and Testing of various composite structure for drone frame	PlanetX Aerospace Services Private Limited, Coimbatore	6 Months	1.50
						Amount received (Rs.):2.75

Total Amount (Lacs) Received for the Past 3 Years: 48.31

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. Magesh Kumar M	-	Aeronautical Engineering	Development of a Real - time Pilot Sleep Monitoring and Alert System for enhanced Cockpit Safety	Yjet Services Pvt. Ltd., Bengaluru	12 Months	1.85
Mr. Manoj Kumar K	-	Aeronautical Engineering	Commercial aircraft wing structural simulation with load analysis	Mach Engineers, Coimabore	6 Months	1.40
Mr. Arun Raja K K	-	Aeronautical Engineering	Design and Development of low noise drone propeller	Wright Flyer and Hobby, Perambulur	6 Months	1.25
Mr. Saravanan R	-	Aeronautical Engineering	AI – driven autonomous inspection of NDT image analysis using CNN	Vibrant NDT Services Private Limited, Coimbatore	12 Months	2.10
Dr. Ganesh M	-	Aeronautical Engineering	Creo CAD Training	Mach Engineers, Coimabore	2 Months	0.32
						Amount received (Rs.):6.92

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. Tamil Vendan D	-	Aeronautical Engineering	Design and Development of Hand Gun Nozzle for Pneumatic Grease Dispenser	Falcon Endineers Pvt. Ltd., Coimbatore	3 Months	0.63
Mr. Saravanan R	-	Aeronautical Engineering	Optimization of wind Turbine blade for Improved efficiency urban area operations	Gayathri Industries, Coimbatore	6 Months	1.09
Mr. Arun Raja K K	-	Aeronautical Engineering	Design and fabrication of hybrid helium drone for long endurance applications	De Drone World Solutions Private Limited, Madurai	6 Months	1.83
Mr. Manoj Kumar K	-	Aeronautical Engineering	Design and Analysis of Electric fuselage	De Drone World Solutions Private Limited, Madurai	6 Months	1.75
Dr. Ganesh M	-	Aeronautical Engineering	Experimental Investigation on Pressure Distribution over propeller scale model	Avatar Aviation, Coimbatore	6 Months	0.81
Mr. Saravana Kumar V	-	Aeronautical Engineering	RPTO Training	De Drone World Solutions Private Limited, Coimbatore	12 Months	0.50
						Amount received (Rs.):6.61

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. Tamil Vendan D	-	Aeronautical Engineering	Design and development of drone for Aerial survey and mapping	Veerakumar Machine Tools, Coimbatore	3 Months	0.65
Mr. Veeramanikandan R	-	Aeronautical Engineering	Numerical Analysis of Patrol Boat Hull Structure	RAADS Marine, Puduchery.	3 Months	0.53
Mr. Saravana Kumar V	-	Aeronautical Engineering	Design and development of Multipurpose drone	De Drone World Solutions Private Limited, Madurai	12 Months	6.50
						Amount received (Rs.):7.68

Total amount (Lacs) received for the past 3 years: 21.21

Note*:

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

C9. Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr. Saravana Kumar V	Drone Propeller Test Rig	12 Months	0.85	0.82	Product developed
			Amount received (Rs.): 0.85		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr. Tamil Vendan D	Development of eco-friendly composite material using natural fibre	6 Months	1.95	1.95	Journal published in SCI journal.
Mr. Saravanan R	Performance study of Vertical axis wind Turbine Blades	6 Months	0.90	0.60	Design patent granted
Mr. Arulmozhinathan T	Bio – Inspired landing gear for UAV's	6 Months	0.60	0.60	Product developed
			Amount received (Rs.): 3.45		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Ganesh M	Experimental investigation of aircraft wing spar to enhance the fatigue life	12 months	0.82	0.80	Product was developed
Mr. Arun Raja K K	Design, Analysis and Fabrication of 3D printed propeller for VTOL	6 Months	0.95	0.95	Journal was published in Scopus indexed journal
			Amount received (Rs.): 1.77		

Total amount (Lacs) received for the past 3 years : 6.07

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

D1. Adequate and Well-Equipped Laboratories, and Technical Manpower

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

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Aircraft Structures Laboratory	30	•Wagner Beam •Tension Beam Set up. •Constant strength Beam with Test Rig •Shear center for open	06 Hours	Mr.Krishnan R	Lab Technician	D.M.E.
2	Aerodynamics Laboratory	30	•Low Speed Wind Tunnel • Blower balance •Water Flow channel with models •Hele – shaw apparatus	06 Hours	Mr.Madhusoodhanan T K	Aircraft Technician	D.M.E.
3	Propulsion Laboratory	30	•Turbojet Engine •Free/ Forced Convective Heat transfer setup •Valve timing disc • Cascade Wind Tunnel	06 Hours	Mr. Krishnan R	Lab Technician	D.M.E.
4	Aero Engine and Airframe Laboratory	30	•Aircraft Piston engine with propeller •TIG welding machine •MIG Welding Machine •Spot Welding machine	06 Hours	Mr.Siva Kumar P	Lab Technician	I.T.I.
5	Aircraft Systems Laboratory	30	•Serviceable aircraft. •Adjustable spirit level •Hydraulic Jacks (Screw Jack) • Trestle adjustable •Cable	06 Hours	Mr.Madhusoodhanan T K	Aircraft Technician	D.M.E.
6	CAD Laboratory	30	•Computer nodes (HP 2480 DX/Elite 7100/HP 280 I5) •Modeling Packages (CATIA V5 / Ansys/CREO) •UPS	06 Hours	Mr. Senthil Kumar S	Hardware Engineer	D.C.E.
7	Strength of Materials Laboratory	30	•UTM of minimum 400 KN capacity •Rockwell Hardness Tester • Vicker's Hardness Tester •Brinnel Hardness	06 Hours	Mr.Siva Kumar P	Lab Technician	I.T.I.
8	Thermodynamics Laboratory	30	•Parallel and counter flow heat exchanger test rig •Bomb Calorimeter • Vapour compression refrigeration test rig	06 Hours	Mr. Krishnan R	Lab Technician	D.M.E.
9	UAV and Aeromodelling Laboratory	30	•Quadcopter kit •Hexacopter kit • Flight Controllers (KK board/Pixhawk /APM) •Multiple charger •RC Simulator	06 Hours	Mr. Senthil Kumar S	Hardware Engineer	D.C.E.

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Aircraft Structures Laboratory	1.Fire safety (fire extinguisher) 2.First Aid Box

2	Aerodynamics Laboratory	1.Fire safety (fire extinguisher) 2.First Aid Box 3.Emergency power cutoff
3	Propulsion Laboratory	1.Fire safety (fire extinguisher) 2.First Aid Box 3.Check fuel lines, valves, and connections for leaks.
4	Aircraft Systems Laboratory	1.Fire safety (fire extinguisher) 2.First Aid Box 3.Ensure the aircraft is stable and secure before jacking
5	CAD Laboratory	1.Fire safety (fire extinguisher) 2.First Aid Box 3.UPS backup -30 kVA 4.Ensure Proper Electrical Earthing
6	Strength of Materials Laboratory	1.Fire safety (fire extinguisher) 2.First Aid Box 3.Handle impact testing equipment with caution 4.Inspect Universal Testing Machine before operation
7	Thermodynamics Laboratory	1.Fire safety (fire extinguisher) 2.First Aid Box 3.Follow proper startup and shutdown procedures
8	Aero Engine and Airframe Laboratory	1.Fire safety (fire extinguisher) 2.First Aid Box 3.Hand gloves 4.Welding goggles
9	UAV and Aero Modelling Laboratory	1.Fire safety (fire extinguisher) 2.First Aid Box 3.Use cutting tools, drills, and hand tools carefully 4.Inspect batteries for swelling, damage, or leakage before use 5.Disconnect batteries immediately after testing or flying operations
10	Project Laboratory	1.Fire safety (fire extinguisher) 2.First Aid Box 3.Emergency power cutoff

D3. Project Laboratory/Research Laboratory

The Project Laboratory is a dedicated facility designed to support experiential learning, innovation, and research activities in the field of Aeronautical Engineering. The laboratory provides a well-equipped and technology-enabled environment that enables students to apply theoretical concepts to real-time engineering problems, thereby enhancing their practical skills and creativity.

The laboratory plays a significant role in facilitating project-based learning, allowing students to conceptualize, design, develop, and validate engineering solutions aligned with program outcomes. It also supports final year projects, mini-projects, product development for Hackathons, interdisciplinary research, and consultancy activities, thereby fostering innovation and technical competency among students.

The facility is equipped with advanced tools and resources to cater to both fundamental and advanced applications, ensuring alignment with current industry practices and emerging technologies.

Facilities Available:

- Material development and testing facilities
- Software tools for design and analysis
- 3D Printers for rapid prototyping
- Welding machines (TIG, MIG, and ARC) for fabrication
- Subsonic wind tunnel for aerodynamic testing
- Drone development kits for UAV design and assembly
- Drone simulator for flight training and skill development

The laboratory is continuously upgraded to meet evolving technological requirements and to enhance students' exposure to industry-relevant tools and practices.

S.No	Name of the Laboratory
1.	Project Lab
2.	Center of Excellence in Drone Technology
3.	Center of Excellence in CAD
4.	Start ups 1. Flyers Drone Tech Pvt Ltd. 2. Magizh Engineering Services LLP.

Utilization of project laboratories/research laboratories /center of excellence:

S. No.	Facility	Utilization	Relevance to POs/PSOs
1	Project Laboratory	Final-year projects, Mini-projects, Prototype development, additive manufacturing, UAV fabrication, Hackathons, Product development, Consultancy activities, and Startup initiatives.	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11; PSO1, PSO2
2	Centre of Excellence in Drone Technology	UAV design and development, Drone assembly, Flight testing, DGCA-RPTO training support, Disaster management drone projects, Agricultural drone applications, Competitions, internships, Faculty Development Programs and Research activities.	PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO9, PO10, PO11; PSO1, PSO2
3	Centre of Excellence in CAD	CAD modeling, Simulation, structural and Aerodynamic analysis, Reverse engineering, Product design, Certification training, Industry projects, Competitions, and Research work.	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO11; PSO1, PSO2

Centre of Excellence in Drone Technology

The **Centre of Excellence in Drone Technology** serves as a dedicated platform for advancing education, research, innovation, and skill development in Unmanned Aerial Systems (UAS). The centre is equipped with facilities for UAV design, fabrication, system integration, programming, simulation, flight testing, and autonomous operations. It supports student projects, interdisciplinary research, industry collaborations, consultancy activities, and entrepreneurship initiatives in domains such as surveillance, disaster management, precision agriculture, aerial mapping, inspection, and logistics. The centre enables experiential learning and fosters the development of industry-ready competencies in emerging drone technologies.

Centre of Excellence in CAD

The **Centre of Excellence in Computer-Aided Design (CAD)** provides a state-of-the-art environment for engineering design, product development, simulation, and digital manufacturing. Equipped with industry-standard CAD/CAE software tools, the centre facilitates advanced training in 3D modeling, assembly design, engineering analysis, drafting, reverse engineering, and design optimization. It supports student projects, research activities, prototyping, consultancy assignments, and industry-oriented training programs, thereby enhancing design proficiency and preparing students for contemporary engineering and manufacturing challenges.

Project Lab Outcome

S.No	Project Title	Laboratory Utilization
1.	Design, Fabrication, and Integration of Flight Components in a 3D-Printed and Aluminium Quadcopter Frame with Composite Canopy	CAD modeling using software, structural design, 3D printing of UAV components, aluminium frame fabrication, composite canopy manufacturing, integration of flight electronics, performance evaluation, and prototype testing.
2.	Solar Powered 3D Printed UAV to Enhance Flight Duration	Utilized for lightweight UAV design, additive manufacturing of airframe components, solar panel integration, endurance testing, and performance optimization for enhanced flight duration.
3.	Performance Study of Bio-inspired Propeller Geometry for Efficient Flight of Swarm Drones	Utilized for the design, modeling, fabrication, and experimental evaluation of bio-inspired drone propellers based on natural flight mechanisms such as bird wings and insect flight. The laboratory supported CAD modeling, aerodynamic analysis, 3D printing of propeller prototypes, thrust and efficiency testing using a propeller thrust testing rig, data acquisition, and performance comparison with conventional propellers, and optimization for swarm drone applications. Students investigated the effects of propeller geometry on thrust, power consumption, flight endurance, and swarm flight efficiency.

Photo of Center of Excellence in Drone Technology

PART E: First Year faculty and financial Resources

(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) +(NS2*0.2))/RF
2023-24(CAYm2)	1230	62	59	29	85

2024-25(CAYm1)	1290	64	69	37	98
2025-26(CAY)	1440	72	69	37	87

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

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

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	110000000	108804118	100000000	105905724.4	100000000	109939166	110000000	118964822.4
Library	9600000	9288840	9000000	8993601	11500000	11390000	11500000	11305115
Laboratory equipment	23300000	22000407.31	21800000	21365726	18300000	17932180	11500000	11274625
Teaching and non-teaching staff salary	260000000	262430222	260000000	253357508	260000000	252639286	240000000	243340452
Outreach Programs	230000	225516	220000	213488	1350000	1323044	1500000	1400000
R&D	30000000	28588782	16000000	15863897	12500000	12376980	15000000	15110073
Training, Placement and Industry linkage	22000000	22223953	20000000	21633489.58	7000000	6538615	1500000	1506200
SDGs	2600000	2567279	2500000	2483205.1	2000000	1996698.09	800000	774168
Entrepreneurship	800000	800124	650000	667149	475000	483792	110000	113112
Others, specify	72500000	72744688.57	53100000	55254346.35	48500000	50524739.46	49300000	51349951.1
Total	**531030000**	**529673929.88**	**483270000**	**485738134.43**	**461625000**	**465144500.55**	**441210000**	**455138518.5**

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

Table No. E3.1: Budget and actual expenditure incurred at program level.

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Laboratory equipment	200000	184658	200000	174685	200000	175800	365000	353689
Software	275000	264500	275000	233680	250000	228400	450000	354884
SDGs	125000	122650	100000	98450	100000	83365	100000	63850
Support for faculty development	150000	135932	100000	90416	100000	95846	100000	84600

R & D	300000	286500	300000	280900	300000	268500	150000	145896
Industrial Training, Industry expert, Internship	250000	185400	250000	205460	250000	233258	40000	39568
Miscellaneous Expenses	75000	72460	75000	70120	75000	64815	75000	61550
Total	**1375000**	**1252100**	**1300000**	**1153711**	**1275000**	**1149984**	**1280000**	**1104037**

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Automobile Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 11672	**Date of Submission**: 23-03-2026

PART A- Profile of the Institute

A1.Name of the Institute: HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 1999-2000	Location of the Institute: SemiUrban
A2. Institute Address:HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY,OTHAKALMANDAPAM POST,COIMBATORE 641 032	
City:Coimbotore	State:Tamil Nadu
Pin Code:641032	Website:www.hicet.ac.in
Email:HINDUSTHAN107@GMAIL.COM	Phone No(with STD Code):0422-4242424
A3. Name and Address of the Affiliating University (if any):	
Name of the University : ANNA UNIERSITY CHENNAI	City: Chennai
State : Tamil Nadu	Pin Code: 600025
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **17**
- No. of PG programs: **7**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Computer Application	PG	Master of Computer Application	2005	--	Computer Application
2	Engineering & Technology	UG	Aeronautical Engineering	2005	--	Aeronautical Engineering
3	Engineering & Technology	UG	Agricultural Engineering	2018	--	Agricultural Engineering
4	Engineering & Technology	PG	Applied Electronics	2009	2024	Electronics and Communication Engineering
5	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2020	--	Artificial Intelligence and Machine Learning
6	Engineering & Technology	UG	Automobile Engineering	2014	--	Automobile Engineering
7	Engineering & Technology	UG	Biomedical Engineering	2018	--	Biomedical Engineering
8	Engineering & Technology	PG	CAD/CAM	2006	--	Mechanical Engineering
9	Engineering & Technology	UG	Chemical Engineering	2019	--	Chemical Engineering
10	Engineering & Technology	UG	Civil Engineering	2009	--	Civil Engineering
11	Engineering & Technology	PG	Communication Systems	2006	--	Electronics and Communication Engineering
12	Engineering & Technology	UG	Computer Science and Business System	2025	--	Computer Science and Business System

13	Engineering & Technology	PG	Computer Science and Engineering	2011	--	Computer Science and Engineering
14	Engineering & Technology	UG	Computer Science and Engineering	2000	--	Computer Science and Engineering
15	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2024	--	Computer Science and Engineering (Cyber Security)
16	Engineering & Technology	UG	Electrical and Electronics Engineering	2002	--	Electrical and Electronics Engineering
17	Engineering & Technology	UG	Electronics & Communication Engineering	2000	--	Electronics and Communication Engineering
18	Engineering & Technology	UG	Electronics & Instrumentation Engineering	2011	--	Electronics and Instrumentation Engineering
19	Engineering & Technology	PG	Embedded Systems	2021	--	Electrical and Electronics Engineering
20	Engineering & Technology	UG	Food Technology	2018	--	Food Technology
21	Engineering & Technology	UG	Information Technology	2002	--	Information Technology
22	Engineering & Technology	UG	Mechanical Engineering	2000	--	Mechanical Engineering
23	Engineering & Technology	UG	Mechatronics Engineering	2011	--	Mechatronics Engineering
24	Management	PG	Master of Business Administration	2005	--	Management

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Aeronautical Engineering	No	Aeronautical Engineering	UG
Civil Engineering	No	Civil Engineering	UG
Automobile Engineering	Yes	Automobile Engineering	UG
Mechatronics Engineering	Yes	Mechatronics Engineering	UG

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

Allied Department/Cluster Name	Program Name	Program Level
Mechatronics Engineering	Mechatronics Engineering	UG
Mechanical Engineering	Mechanical Engineering	UG
Mechanical Engineering	CAD/CAM	PG

PART-B: Program information

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

Table No. B1: Program details.
A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Automobile Engineering	UG	2014 / --	60	No	NA	60	2014	Southern/1-44641759947/2025/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	1	4

List of the Allied Departments/Cluster and Programs:

SR.NO.	ALLIED DEPARTMENT NAME	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Mechanical Engineering	Mechanical Engineering	UG	2000 / --	60	Yes	2021	120	2021	Southern/1-44641759947/2025/EOA	Granted accreditation for 3 years for the period (specify period)	2024	2027	6	4

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

2	Mechanical Engineering	CAD/CAM	PG	2006 / --	18	Yes	2020	9	2020	Southern/1-44641759947/2025/EOA	Eligible but not applied	--	--	0	2

Sanctioned Intake for Last Five Years for the CAD/CAM	
Academic Year	**Sanctioned Intake**
2025-26	9
2024-25	9
2023-24	9
2022-23	9
2021-22	9
2020-21	9

3	Mechatronics Engineering	Mechatronics Engineering	UG	2011 / --	60	Yes	2013	120	2013	Southern/1-44641759947/2025/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	1	4

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

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

A. Name of the HoD :	Dr Sabarinathan C
B. Nature of appointment:	Regular

C. Qualification:	M.E. and Ph.D.

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	60	60	60	60
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	59	60	55	38	45	42	28
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	8	9	23	21	24	11
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	3	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.	59	71	64	61	66	66	39

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

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

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	60	59	0	98.33
2024-25 (CAYm1)	60	60	3	105.00
2023-24 (CAYm2)	60	55	0	91.67

Average [(ER1 + ER2 + ER3) / 3] = 98.33≡ 20.00

B5. Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	81.00	84.00	71.00
B=No. of students who graduated from the program in the stipulated course duration	55.00	59.00	33.00
Success Rate (SR)= (B/A) * 100	67.90	70.24	46.48

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 61.54

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

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

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
Mean of CGPA or mean percentage of all successful students(X)	7.81	7.79	7.62
Y=Total no. of successful students	63.00	54.00	38.00
Z=Total no. of students appeared in the examination	63.00	55.00	38.00
API [X*(Y/Z)]	7.81	7.65	7.62

Average API[(AP1+AP2+AP3)/3] : 7.69

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	7.92	7.80	7.67
Y=Total no. of successful students	57.00	58.00	64.00
Z=Total no. of students appeared in the examination	63.00	61.00	66.00
API [X * (Y/Z)]	7.17	7.42	7.44

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

B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.94	7.87	7.80
Y=Total no. of successful students	54.00	64.00	63.00
Z=Total no. of students appeared in the examination	58.00	64.00	66.00
API [X*(Y/Z)]:	7.39	7.87	7.45

Average API [(AP1 + AP2 + AP3)/3] : 7.57

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	81.00	84.00	71.00
X=No. of students placed	55.00	54.00	33.00
Y=No. of students admitted to higher studies	5.00	6.00	3.00
Z= No. of students taking up entrepreneurship	2.00	1.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	76.54	72.62	52.11

Average Placement Index = (P_1 + P_2 + P_3)/3: 67.09 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

(Data to be filled in for the Department and Allied Departments)

C1. Faculty details of Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr Sabarinathan C	XXXXXXX50J	M.E. and Ph.D.	Anna University	Nano Composites	01/06/2005	20.9	Lecturer	Professor	19/04/2018	Regular	Yes		Yes
2	Dr Sankar Ganesh R	XXXXXXX97Q	M.E. and Ph.D.	Anna University	Alternative Fuels	04/01/2008	18.2	Lecturer	Professor	05/07/2023	Regular	Yes		No

3	Dr SamuelGemsprimM	XXXXXXX04J	M.E. and Ph.D.	Anna University	Composite Materials	01/07/2016	9.8	Assistant Professor	Associate Professor	05/07/2023	Regular	Yes		No
4	Dr Krishnaraj J	XXXXXXX09Q	M.E. and Ph.D.	Anna University	Fuels	01/07/2016	9.8	Assistant Professor	Associate Professor	01/07/2024	Regular	Yes		No
5	Dr Yogaraja J	XXXXXXX73R	M.E. and Ph.D.	Anna University	Thermal Engineeirng	01/07/2015	10.8	Assistant Professor	Associate Professor	02/07/2025	Regular	Yes		No
6	Mr Dhayanathan N	XXXXXXX60L	M.E.	Anna University	CAD/CAM	02/06/2012	13.9	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mr Ragu S	XXXXXXX57R	M.E.	Karpagam Academy of Higher Education	Automobile Engineering	21/06/2017	8.8	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr Naveenraj D	XXXXXXX97Q	M.E.	Karpagam Academy of Higher Education	Automobile Engineering	04/06/2018	7.8	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mr Mujiburrahman K	XXXXXXX43G	M.E.	Anna University	Engineering Design	17/06/2019	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mr Prabhu G	XXXXXXX25G	M.E.	Karpagam Academy of Higher Education	Automobile Engineering	17/06/2019	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mr Satheesh Kumar K	XXXXXXX00Q	M.E.	Anna University	Engineering Design	19/06/2019	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mr Prakash R S	XXXXXXX31M	M.E.	Karpagam Academy of Higher Education	Automobile Engineering	19/06/2019	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mr Diwagar G	XXXXXXX86F	M.E.	Karpagam Academy of Higher Education	Automobile Engineering	03/07/2023	2.7	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mr Jeevanandam P	XXXXXXX55M	M.E.	Anna University	CAD/CAM	05/07/2023	2.8	Assistant Professor	Assistant Professor		Regular	Yes		No

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

Sr.No	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr. K.Siva	XXXXXXX49N	XXXXXXXXX983	M.E. and Ph.D.	Anna University	Welding	01/06/2012	13.9	Professor	Professor		Regular	Yes		Yes

2	Dr. M. Mohanraj	XXXXXXX34A	NA	M.E. and Ph.D.	National Institute of Technology, Calicut	Refrigeration and Air Conditioning	30/07/2013	12.7	Professor	Professor		Regular	Yes		No
3	Dr. P. Jeyalakshmi	XXXXXXX00J	XXXXXXXXX661	M.E. and Ph.D.	Anna University	Internal Combustion Engineering	23/06/2004	21.8	Assistant Professor	Professor	22/01/2018	Regular	Yes		No
4	Dr. S. Kannan	XXXXXXX02A	XXXXXXXXX670	M.E. and Ph.D.	Anna University	CAD/CAM	18/05/2006	19.9	Assistant Professor	Professor	01/06/2022	Regular	Yes		No
5	Dr. S. Ragunath	XXXXXXX14F	XXXXXXXXX224	M.E. and Ph.D.	Anna University	Materials	09/07/2025	0.7	Professor	Professor		Regular	Yes		No
6	Dr.C.Nithyanandam	XXXXXXX45Q	XXXXXXXXX213	M.E. and Ph.D.	Anna University	INDUSTRIAL ENGINEERING	08/01/2008	18.1	Assistant Professor	Associate Professor	01/11/2018	Regular	Yes		No
7	Dr. Y. Ras Mathew	XXXXXXX09M	XXXXXXXXX568	M.E. and Ph.D.	Anna University	Materials	01/07/2009	16.8	Assistant Professor	Associate Professor	12/11/2020	Regular	Yes		No
8	Dr. V. Senthil Murugan	XXXXXXX36B	XXXXXXXXX305	M.E. and Ph.D.	Anna University	Energy engineering	27/06/2013	12.8	Assistant Professor	Associate Professor	26/03/2021	Regular	Yes		No
9	Dr. K. R. Sakthivel	XXXXXXX78N	XXXXXXXXX961	M.E. and Ph.D.	Anna University	Manufacturing Engineering	25/06/2012	13.8	Assistant Professor	Associate Professor	25/03/2021	Regular	Yes		No
10	Mr.N.Prasanna Venkatesan	XXXXXXX25C	XXXXXXXXX872	M.E.	Anna University	WELDING TECHNOLOGY	10/07/2009	16.7	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mr. S. Sivakumar	XXXXXXX54L	XXXXXXXXX511	M.E.	Anna University	Engineering Design	23/09/2009	16.5	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mr. Alagar S	XXXXXXX89F	NA	M.E.	Anna University	Design & Manufacturing	15/06/2011	14.8	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mr. K.Rameshkumar	XXXXXXX64L	XXXXXXXXX457	M.E.	Karpagam Academy of Higher Education	Manufacturing Engineering	24/06/2013	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mr. A.Sasikumar	XXXXXXX46L	XXXXXXXXX137	M.E.	Anna University	Engineering Design	25/06/2014	11.8	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Dr. L.Karthick	XXXXXXX19N	XXXXXXXXX675	M.E. and Ph.D.	Anna University	Design & Heat Pump	01/07/2015	10.8	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Mr. D.Prabhu	XXXXXXX22R	XXXXXXXXX748	M.E.	Anna University	CAD/CAM	01/07/2016	9.8	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Mr. S. Ram Kumar	XXXXXXX89N	XXXXXXXXX497	M.E.	Anna University	Thermal Engineering	04/06/2018	7.8	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mr. J.Dineshkumar	XXXXXXX94N	XXXXXXXXX532	M.E.	Anna University	CAD/CAM	24/06/2013	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Mr.S.Premkumar	XXXXXXX53M	XXXXXXXXX326	M.E.	Anna University	CAD/CAM	25/06/2014	11.8	Assistant Professor	Assistant Professor		Regular	Yes		No

20	Mr.S.Karthik	XXXXXXX89K	XXXXXXXXX968	M.E.	Anna University	CAD/CAM	01/07/2015	10.8	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Mr. E. Anandprabhakaran	XXXXXXX75C	XXXXXXXXX789	M.E.	Anna University	CAD/CAM	17/08/2020	5.7	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Dr. D. Amalraju	XXXXXXX37P	XXXXXXXXX836	M.E. and Ph.D.	Anna University	Materials	26/06/2013	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Mr. K. Vignesh	XXXXXXX06P	XXXXXXXXX896	M.E.	Anna University	Manufacturing Engineering	01/06/2024	1.9	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Mr P.Ravikumar	XXXXXXX56C	NA	M.E.	Anna University	Engineering Design	01/06/2021	4.9	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Mr T.Sathiskumar	XXXXXXX57B	NA	M.E.	Anna University	Engineering Design	01/06/2021	4.9	Assistant Professor	Assistant Professor		Regular	Yes		No
26	Dr. K Sriharrish	XXXXXXX51G	NA	M.E. and Ph.D.	Anna University	Manufacturing Engineering	11/07/2017	8.3	Assistant Professor	Assistant Professor		Regular	No	31/10/2025	No
27	Mr. A.Nazeer Ahamed	XXXXXXX08R	NA	M.E.	Anna University	INDUSTRIAL ENGINEERING	13/07/2011	14.8	Assistant Professor	Assistant Professor		Regular	Yes		No
28	Mr. K.Sivakumar	XXXXXXX84A	NA	M.E.	Anna University	Thermal Engineering	02/07/2012	13.8	Assistant Professor	Assistant Professor		Regular	Yes		No
29	Mr. P. Meenakshi Sundaram	XXXXXXX08Q	NA	M.E.	Anna University	Engineering Design	02/07/2020	5.8	Assistant Professor	Assistant Professor		Regular	Yes		No
30	Mr. K. Maharaja	XXXXXXX56K	NA	M.E.	Anna University	Engineering Design	05/07/2018	5.10	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
31	Mr. G. P. Arun Bhabu	XXXXXXX33N	NA	M.E.	Anna University	Product Design and Development	23/06/2014	9.11	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
32	Mr. P. John Britto	XXXXXXX07H	NA	M.E.	Anna University	Product Design and Development	27/07/2017	6.10	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
33	Mr. K. Prabhu Deva	XXXXXXX54E	NA	M.E.	Anna University	CAD/CAM	01/07/2020	3.11	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
34	Mr. M. Dinesh Kannan	XXXXXXX39E	NA	M.E.	Anna University	Engineering Design	01/07/2020	3.11	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
35	P.K.Rajan	XXXXXXX59Q	NA	M.E.	Anna University	Manufacturing Engineering	01/06/2021	3	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
36	S.Muhammed Meeran	XXXXXXX37R	NA	M.E.	Anna University	Engineering Design	01/06/2021	3	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
37	Dr.M.Selvam	XXXXXXX99Q	NA	M.E. and Ph.D.	Anna University	Mechanical Engineering	01/06/2021	3	Associate Professor	Associate Professor		Regular	No	31/05/2024	No
38	Dr.V.Navaneethakrishnan	XXXXXXX62H	NA	M.E. and Ph.D.	Anna University	Mechanical Engineering	01/06/2021	3	Associate Professor	Associate Professor		Regular	No	31/05/2024	No
39	R.Dinek	XXXXXXX16D	NA	M.E.	Anna University	CAD/CAM	01/06/2023	1	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No

40	Dr. J Manikandan	XXXXXXX47A	XXXXXXXXX709	M.E. and Ph.D.	Anna University	Computational Fluid Dynamics	01/07/2009	16.8	Assistant Professor	Professor	23/01/2018	Regular	Yes		No
41	Mr. C A Jagadish	XXXXXXX68K	XXXXXXXXX425	M.E.	Anna University	CAD/CAM	13/09/2010	15.5	Assistant Professor	Assistant Professor		Regular	Yes		No
42	Dr.P.T.Saravanakumar	XXXXXXX55N	XXXXXXXXX884	M.E. and Ph.D.	Anna University	Thermal Engineering	01/03/2021	5	Professor	Professor	01/03/2022	Regular	Yes		No
43	Dr.T.Vandarkuzhali	XXXXXXX48M	XXXXXXXXX687	M.E. and Ph.D.	Anna University	Power Electronics & Drives	25/06/2007	18.8	Assistant Professor	Associate Professor	01/03/2022	Regular	Yes		No
44	Dr.R.Madhusudhanan	XXXXXXX87M	XXXXXXXXX730	M.E. and Ph.D.	Anna University	Applied Electronics	21/06/2017	8.8	Assistant Professor	Associate Professor	01/06/2019	Regular	Yes		No
45	Dr.Pradeep Johnson	XXXXXXX41M	XXXXXXXXX748	M.E. and Ph.D.	Anna University	CAD/CAM	18/06/2008	17.8	Assistant Professor	Professor	03/06/2024	Regular	Yes		No
46	Dr.M.ArunKumar	XXXXXXX19Q	XXXXXXXXX207	M.E. and Ph.D.	Anna University	Thermal Engineering	01/07/2023	2.8	Associate Professor	Associate Professor		Regular	Yes		No
47	Mr.G.Thilak	XXXXXXX46A	XXXXXXXXX049	M.E.	Anna University	Product Design & Development	23/06/2014	11.8	Assistant Professor	Assistant Professor		Regular	Yes		No
48	Mr.K.Kesavaraj	XXXXXXX67G	XXXXXXXXX082	M.E.	Anna University	Mechatronics Engineering	01/07/2016	9.8	Assistant Professor	Assistant Professor		Regular	Yes		No
49	Mr.T.Prabhu	XXXXXXX06H	XXXXXXXXX055	M.E.	Anna University	Mechatronics Engineering	18/07/2016	9.7	Assistant Professor	Assistant Professor		Regular	Yes		No
50	Mr.M. Kumaresan	XXXXXXX16M	XXXXXXXXX843	M.E.	Anna University	Robotics	11/06/2018	7.8	Assistant Professor	Assistant Professor		Regular	Yes		No
51	Dr.M.M.Jegan	XXXXXXX81Q	XXXXXXXXX535	M.E. and Ph.D.	Anna University	Mechatronics Engineering	01/06/2020	5.9	Assistant Professor	Associate Professor	06/01/2026	Regular	Yes		No
52	Mr.S.Manojkumar	XXXXXXX17L	XXXXXXXXX056	M.E.	Anna University	CAD/CAM	11/05/2023	2.9	Assistant Professor	Assistant Professor		Regular	Yes		No
53	Mr.R.V.Rangarajan	XXXXXXX60G	XXXXXXXXX205	M.E.	Anna University	Product Design & Development	11/05/2023	2.9	Assistant Professor	Assistant Professor		Regular	Yes		No
54	Mr.P.Naveenkumar	XXXXXXX64R	XXXXXXXXX645	M.E.	Anna University	Manufacturing Engineering	11/05/2023	2.9	Assistant Professor	Assistant Professor		Regular	Yes		No
55	Dr.R.Vasanth	XXXXXXX97D	XXXXXXXXX920	M.E. and Ph.D.	Anna University	Mechatronics Engineering	09/07/2025	0.7	Associate Professor	Associate Professor		Regular	Yes		No
56	Mr.K.Guruvaran	XXXXXXX62Q	XXXXXXXXX463	M.E.	Anna University	Electrical & Electronics	09/07/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
57	Dr.P.Ravi Chandran	XXXXXXX28G	XXXXXXXXX661	M.E. and Ph.D.	Anna University	Thermal Engineering	03/07/2023	2.8	Professor	Professor		Regular	Yes		No
58	Mr.M.Rajendran	XXXXXXX09F	XXXXXXXXX222	M.E.	Anna University	Energy Engineering	03/07/2017	8.8	Assistant Professor	Assistant Professor		Regular	Yes		No

59	Mrs. Sindhu.S.SS	XXXXXXX74K	XXXXXXXXX022	M.E.	Anna University	Mechatronics Engineering	24/06/2013	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
60	Ms.D.Dhanalakshmi	XXXXXXX02E	XXXXXXXXX183	M.E.	Anna University	Mechatronics Engineering	01/07/2016	9.8	Assistant Professor	Assistant Professor		Regular	Yes		No
61	Mr.N.Sanjay Ram	XXXXXXX62B	XXXXXXXXX195	M.E.	Anna University	Industrial automation robotics	01/06/2020	5.9	Assistant Professor	Assistant Professor		Regular	Yes		No
62	Mr.S.Manoj	XXXXXXX66K	XXXXXXXXX680	M.E.	Anna University	Mechatronics Engineering	02/06/2023	2.9	Assistant Professor	Assistant Professor		Regular	Yes		No
63	Ms.J.Jasmitha	XXXXXXX49A	XXXXXXXXX691	M.E.	Anna University	Thermal Engineering	01/07/2024	1.8	Assistant Professor	Assistant Professor		Regular	Yes		No
64	Dr.M.Karpagam	XXXXXXX11A	NA	M.E. and Ph.D.	Anna University	Power Electronics & Drives	25/06/2012	13	Professor	Professor	01/05/2019	Regular	No	18/07/2025	No
65	Dr.S.Satheeshkumar	XXXXXXX54N	XXXXXXXXX917	M.E. and Ph.D.	Anna University	Mechatronics Engineering	01/02/2023	3.1	Assistant Professor	Assistant Professor		Regular	Yes		No
66	Mr.M.Karthikeyan	XXXXXXX26A	XXXXXXXXX142	M.E.	Anna University	Mechatronics Engineering	25/06/2012	13.8	Assistant Professor	Assistant Professor		Regular	Yes		No
67	Dr.S.Prem Anand	XXXXXXX01A	XXXXXXXXX339	M.E. and Ph.D.	Anna University	Mechatronics Engineering	04/06/2018	7.9	Assistant Professor	Assistant Professor		Regular	Yes		No
68	Mr.P.Sivaprakash	XXXXXXX41F	NA	M.E.	Anna University	Mechatronics Engineering	01/08/2011	13	Assistant Professor	Assistant Professor		Regular	No	31/07/2024	No
69	Mr.P.Karthik	XXXXXXX17F	NA	M.E.	Anna University	CAD/CAM	27/06/2017	8.8	Assistant Professor	Assistant Professor		Regular	Yes		No

C2. Student-Faculty Ratio (SFR)

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

No. of UG Programs in the Department1 No. of PG Programs in the Department1

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

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.D	66	66	66
UG1: Automobile Engineering	**198**	**198**	**198**
UG2.B	132	128	131
UG2.C	128	131	132
UG2.D	131	132	132
UG2: Mechatronics Engineering	**391**	**391**	**395**
UG3.B	131	132	132
UG3.C	132	132	132
UG3.D	132	132	198
UG3: Mechanical Engineering	**395**	**396**	**462**
DS=Total no. of students in all UG and PG programs in the Department	198	198	198
AS=Total no. of students of all UG and PG programs in allied departments	804	805	875
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 1002	**S2=** 1003	**S3=** 1073
DF=Total no. of faculty members in the Department	14	14	14
AF= Total no. of faculty members in the allied Departments	56	55	64
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 70	**F2=** 69	**F3=** 78
FF=The faculty members in F who have a 100% teaching load in the first-year courses	5	5	5
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 15.42**	**SFR2= 15.92**	**SFR3= 14.90**
Average SFR for 3 years	**SFR= 15.41**		

C3. Faculty Qualification

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

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = 2.5 x [(10X + 4Y) / RF)]
2025-26(CAY)	26	44	50.00	21.80
2024-25(CAYm1)	23	46	50.00	20.70
2023-24(CAYm2)	23	55	53.00	21.23

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3

2025-26	6.00	11.00	11.00	11.00	33.00	48.00
2024-25	6.00	11.00	11.00	9.00	33.00	49.00
2023-24	6.00	10.00	12.00	11.00	36.00	57.00
Average	RF1=6.00	AF1=10.67	RF2=11.33	AF2=10.33	RF2=34.00	AF2=51.33

C5. Visiting/Adjunct Faculty/Professor of Practice

Table No. C5.1: List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr Sivakumar PK	Regional Training Manager	Volvo Eicher Commercial Vehicles Ltd.	Theory of Automotive Engines	15.00
2	Mr. Manikandan M	Asst. Training Manager	Volvo Eicher Commercial Vehicles Ltd.	Automotive Components Lab	20.00
3	Mr. Sam biju	Training Manager	Royal Enfield	Two and Three Wheeler Technology	20.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr Venkadesh R	Regional Training Manager	Volvo Eicher Commercials Vehicles Ltd.,	Theroy of Automotive Engines	15.00
2	Mr Venkadesh R	Regional Training Manager	Volvo Eicher Commercials Vehicles Ltd.,	Vehicle Maintenance Lab	20.00
3	Mr Subash S	Assistant Training Manager	Royal Enfield	Two and Three Wheeler Technology Lab	15.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr Sivakumar PK	Regional Training Manager	Volvo Eicher Commercial Vehicles Ltd.	Automotive Components Lab and Automotive Chassis Components	30.00
2	Mr Subash S	Assistant Training Manager	Royal Enfield	Two and Three Wheeler Technology Theory and Lab	30.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	16	6	4
2	No. of peer reviewed conference papers published	8	5	8
3	No. of books/book chapters published	1	1	2

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr Krishnaraj J	Mr Mujiburrahman K	AICTE	Tomato Grand Challenge	AICTE	8 Months	1.40
Dr Jaya J	Dr Sabarinathan C	DST	FIST	DST	5 Years	40.00
Mr Sathishkumar K	-	TNSCST	Extraction of TOC Gas from Car Cabin	TNSCST	6 Months	0.08
Dr Krishnaraj J	Dr Samuel Gemsprim M	New Product Development	Electric Vehicle Fast Charger with Integrated Payment and Authentication System	Haritha Mobility and HICET Join Funding	12 Months	9.00
						Amount received (Rs.):50.48

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr Sabarinathan C	Dr Krishnaraj J	TLB ATAL	Bharath Cycle Design Challenge	AICTE	8 Months	1.00
						Amount received (Rs.):1.00

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr Prabju G	-	TNSCST	Extraction of TOC Gas from Car Cabin	TNSCST	6 Months	0.08
Dr Krishnaraj J	Dr Sabarinathan C	Product Development	Three Wheeler Rickshaw Chassis Design and Development	GRIVO Eco Autotech Private Limited	8 Months	4.27
						Amount received (Rs.):4.35

Total Amount (Lacs) Received for the Past 3 Years: 55.83

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr Sabarinathan C	Mr Prakash RS	Department of New Product Development	Design and Fabrication of GoKart Vehicle for Commercial Purpose	CADD Technologies School of Design Pvt. Ltd., Coimbatore	6 Months	5.42
Dr Krishnaraj J	Dr Samuel Gemsprim M	Department of Outsourcing	Engine Mapping and Analysis for Formula 4 Car & Suzuki Gixxer Bike	CRA Motorsports, Coimbatore	Round the Year	3.00
						Amount received (Rs.):8.42

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr Yogaraja J	Mr Mujiburrahman K	New Vehicle Development	Analysis of Electric Two Wheeler Performance using Two Wheeler Test Rig	Sri Varu Motors, Coimbatore	7 Months	3.50
Dr Krishnaraj J	Mr Prakash RS	Department of Outsourcing	Engine Mapping and Analysis for Formula 4 Car & Suzuki Gixxer Bike	CRA Motorsports, Coimbatore	Round the Year	3.00
						Amount received (Rs.):6.50

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr Sabarinathan C	Mr Sathish Kumar K	Design Department	Reverse Engineering of Automatic Coir Pith Machine with Internal Features	Gughan Agro Impex, Pollachi	9 Months	3.40
Dr Sankar Ganesh R	Mr Prabhu G Mr Mujiburrahman K	Department of Purchase	Reverse Engineering of Electric Cargo Vehicle	TAARK Electric Vehicles & Equipments Pvt Lt	9 Months	4.20
						Amount received (Rs.):7.60

Total amount (Lacs) received for the past 3 years: 22.52

Note*:

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

C9. Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr Prakash RS	Analysis of Dual Fuel Mode Combustion Performance & Emission Characteristics of B20 Fueled CI engine	9 Months	2.25	2.25	Results Published in Journal of Environmental progress and Sustainable Energy
			Amount received (Rs.): 2.25		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr Prabhu G	Investigation on Tribology and Mechanical properties of Rice Husk Ash i3N4 and Si2N2O Toughened	9 Months	1.94	1.94	Springer Journal of Waste and Biomass Valorization
			Amount received (Rs.): 1.94		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr Yogaraja J	Experimental Investigation of Direct Expansion Photovoltaic Thermal Evaporator assisted Compression	9 Months	1.96	1.96	Results Published in Energy Journal of Solar Energy
			Amount received (Rs.): 1.96		

Total amount (Lacs) received for the past 3 years : 6.15

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

D1. Adequate and Well-Equipped Laboratories, and Technical Manpower

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

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Automotive Components Lab	30	1. Four Stroke Diesel Engine 2. Four Stoke Diesel Engine Cut Section model with Motorized 3. Four Stroke Petrol	06	Mr Manisekar P	Technician	Diploma in Automobile
2	Two and Three Wheeler Lab	30	1. Chassis Dynamometer 2. Coil Spring Test Rig 3. Chain Tension Test Rig 4. Three wheeler Cut Section	06	Mr Manikandan A	Technician	ITI Machinist
3	Automotive Electrical and Electronics Lab	30	1. Auto Electrical Test Bench 2. Battery Coil Ignition Systems 3. Vehicle Electrical Wiring Systems 4.	06	Mr Manisekar P	Technician	Diploma in Automobile
4	Diploma in Automobile	30	1. Flash Point and Fire Point 2. Saybolt Viscometer 3. Copper Strip Corrosion Test Rig 4. Junger Gas Calorimeter	06	Mr Manikandan A	Technician	ITI Machinist
5	Automotive Vehicle Maintenance Lab	30	1. Engine Analyser 2. Injector Testing Machine 3. Valve Lapping Machine 4. Wheel Alignment Setup 5. Valve	06	Mr Manisekar P	Technician	Diploma in Automobile
6	Automotive Engine Performance and Emission Testing Lab	30	1. Valve timing and Port Timing Diagram measurement 2. Performance of Two Wheeler SI Engine 3. Morse Test on	06	Mr Manikandan A	Technician	ITI Machinist
7	Electric Vehicle Lab	30	1. PMSM Motor with Differential Test Rig 2. BMS, Lithium ion battery pack and Charging Characteristics Test	06	Mr Senthil Kumar M	Instructor	B.E. Mechanical Engineerin
8	CAD Lab	30	1. Solid Works 2. AutoCAD 3. CATIA 4. ANSYS	06	Mr Senthil Kumar M	Instructor	B.E. Mechanical Engineerin
9	Workshop / Project / Research Lab	30	1. 3D Printing Machine 2. Laser Engraving and Cutting Machine 3. CNC Wood Router Machine 4. MIG	06	Mr Senthil Kumar M	Instructor	B.E. Mechanical Engineerin

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Automotive Components Lab	1. First aid kits and fire extinguishers are facilitated in the laboratory. 2. Safety measure charts are displayed in the laboratory. 3. All the equipment's are provided with operating instructions. 4. Students are instructed to use good shoes before entering the lab. 5. After the experiment is completed instructed to clean the hands with soap. 6. Keep work environments organized and spotless, keep pathways clear and clutter-free, gather tools and use tool cabinets. 7. Maintain the lab environment free from oil, grease other spills to prevent from skidding. 8. Also ensure that the tools and dismantled components are properly placed in the respective toolbox and trays.
2	Automotive Electrical and Electronics Lab	1. First aid kits and fire extinguishers are facilitated in the laboratory. 2. Safety measure charts are displayed in the laboratory. 3. Students are instructed to use the Equipment under the supervision of Lab instructor 4. Students are advised to report their broken plugs or exposed electrical wires to lab technician immediately. 5. Students are instructed to use shoes and proper dress code before entering the lab.

3	Two and Three Wheeler Lab	1. First aid kits and fire extinguishers are facilitated in the laboratory. 2. Safety measure charts are displayed in the laboratory. 3. Students are instructed to use the Equipment under the supervision of Lab instructor. 4. Students are instructed to use shoes and proper dress code before entering the lab. 5. Maintain the lab environment free from oil, grease other spills to prevent from skidding. 6. Also ensure that the tools and dismantled components are properly placed in the respective toolbox and trays. 7. Students are advised to report their broken plugs or exposed electrical wires to lab technician immediately.
4	Automotive Fuel and Lubricants Lab	1. First aid kits and fire extinguishers are facilitated in the laboratory. 2. Safety measure charts are displayed in the laboratory. 3. Students are instructed to use the Equipment under the supervision of Lab instructor. 4. Power lines and heat regions are properly insulated. 5. Enough space is provided for each equipment. 6. Proper and secured storage is provided for keeping tools, measuring devices, petrol, oil etc. 7. After the experiment is completed instructed to clean the hands with soap
5	Automotive Engine Performance and Emission Testing Lab	1. First aid kits and fire extinguishers are facilitated in the laboratory. 2. Safety measure charts are displayed in the laboratory. 3. All the equipment's are provided with operating instructions. 4. Students are instructed to use good shoes before entering the lab. 5. After the experiment is completed instructed to clean the hands with soap. 6. Keep work environments organized and spotless, keep pathways clear and clutter-free, gather tools and use tool cabinets. 7. Maintain the lab environment free from oil, grease other spills to prevent from skidding. 8. Also ensure that the tools and dismantled components are properly placed in the respective toolbox and trays.
6	Automotive Vehicle Maintenance Lab	1. First aid kits and fire extinguishers are facilitated in the laboratory. 2. Safety measure charts are displayed in the laboratory. 3. All the equipment's are provided with operating instructions. 4. Students are instructed to use good shoes before entering the lab. 5. After the experiment is completed instructed to clean the hands with soap. 6. Keep work environments organized and spotless, keep pathways clear and clutter-free, gather tools and use tool cabinets. 7. Maintain the lab environment free from oil, grease other spills to prevent from skidding. 8. Also ensure that the tools and dismantled components are properly placed in the respective toolbox and tray
7	CAD Lab	1. Student may use the computers in the lab only when a lab instructor is present. 2. Please place your bags at the front of the lab. 3. Keep the lab clean and neat at all times. 4. Report any hardware fault immediately to your instructor. 5. Never attempt to dismantle the different parts of the computer. 6. Each student must log in to his/her account. No sharing of accounts is permitted. 7. Shut down the computer properly after use.
8	Electric Vehicle Lab	1. Wear PPE (Safety Shoes, Gloves, Goggles). 2. Switch OFF power before maintenance. 3. Do not touch exposed high-voltage parts. 4. Use only insulated tools and equipment. 5. Work only under faculty supervision. 6. Keep the lab dry and clean. 7. Follow Lockout/Tagout (LOTO) procedures. 8. Use approved EV chargers only. 9. Report battery leakage or overheating immediately. 10. Know the location of emergency switches and fire extinguishers
9	Workshop / Project / Research Lab	1. First aid kits and fire extinguishers are facilitated in the laboratory. 2. Safety measure charts are displayed in the laboratory. 3. All the equipment's are provided with operating instructions. 4. Students are instructed to use good shoes before entering the lab. 5. After the experiment is completed instructed to clean the hands with soap. 6. Keep work environments organized and spotless, keep pathways clear and clutter-free, gather tools and use tool cabinets. 7. Maintain the lab environment free from oil, grease other spills to prevent from skidding. 8. Also ensure that the tools and dismantled components are properly placed in the respective toolbox and trays. 9. Power lines and heat regions are properly insulated. 10. Students are advised to report their broken plugs or exposed electrical wires to lab technician immediately.

D3. Project Laboratory/Research Laboratory

1. EICHER REGIONAL COMPETENCE DEVELOPMENT CENTRE

'Eicher – Hindusthan Centre of Excellence' is a Competence Skill Development Centre established in gargantuan campus of Hindusthan Engineering Campus. A prosperous proposal was made with the Commercial vehicle giant, Volvo-Eicher commercial vehicle limited to establish a Competence Development Center inside our campus. It is one of the primitives in the state of Tamil Nadu, Second entire pan of India. The main motto of Eicher – Hindusthan Centre of Excellence is to provide a well-organized training for students at par with Industry requirements and standards. The infrastructure helps the students to acquire vibrant and sound knowledge from construction of vehicle to architecture of the vehicle. The purpose establishing this Eicher – Hindusthan Centre of Excellence is to give an impeccable knowledge to the students in heterogeneous and latest technology development adopted in Eicher Commercial Vehicles.

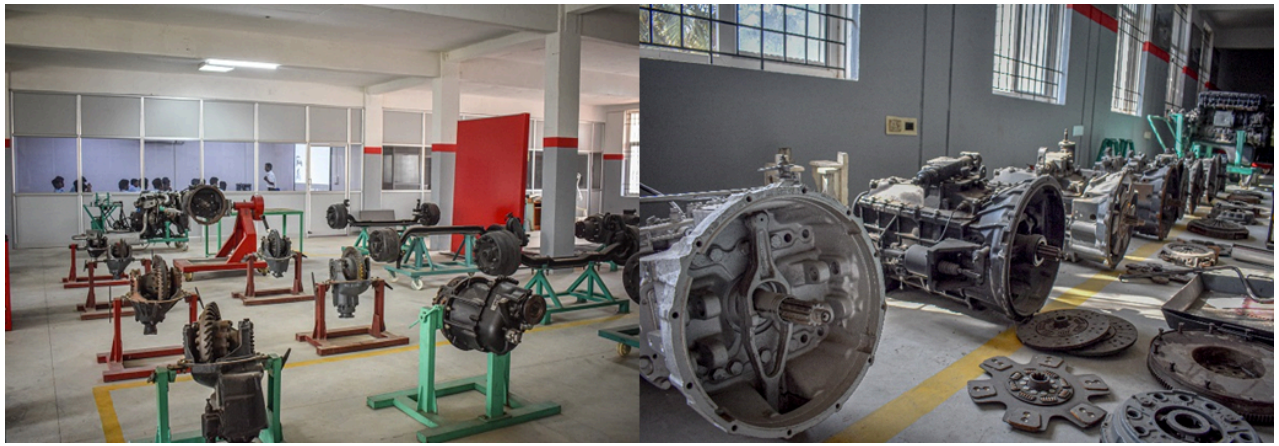
The Eicher – Hindusthan Centre of Excellence facility covers 30,000 Sq.ft huge space under high roof with state of art laboratories and training class rooms. The Laboratories encompasses state of the art equipment to give the basic knowledge as well as advanced knowledge and training to the students. It covers various types of motorized axles (both front and rear) and cut sectioned models to make the students have a greater look at for spectacle understanding. The facility holds the latest BS-VI engine for commercial type vehicles. A special setup is provided to understand the working of various sensors in the BS-VI engine and their exhaust systems with reduced emission setup. BS VI engine cut section model as well the sensors module associated with the emission free running of the engine is also displayed in the lab. Engine diagnostic training kits are in place to improvise the students diagnosing skills.

Air-conditioned classrooms equipped with audio-visual equipment, wall charts, parts/components, and cut-section models for discussions during training sessions are also provided in order to facilitate the understanding of the students under training.

Three Commercial heavy-duty 22 Wheel trucks are available to train the students and technicians on truck dimensions and diagnostics. Working models of Differential units, gear boxes and clutch assemblies are provided along to train the students on the latest technological developments in the automotive industry. Workshop with work benches, practice units, dynamic cut-section models, special tools, commercial tools, measuring instruments, and latest diagnostic equipment are provided to the students for training purposes.

A section of library with posters, books on automobile engineering, customer service management, and other publications of Eicher are also installed inside the training facility and given access to students so that they can foster their technical knowledge through learning.

An on-campus training like this would bestow the students the erudition of the industry in consort with their routine academic works. This will also rally the skills of the faculty and give them a persistent industrial touch. The students will be familiarized with latest automobile technology through scientific demonstration of methods to repair, maintain and overhaul commercial vehicles. The students will have series of training session until their final year and by the end of their course they will be industry-ready and their employable skills will be having an immense growth.



Volvo Eicher Regional Competency Development Centre (RCDC)

Royal Enfield Centre of Excellence

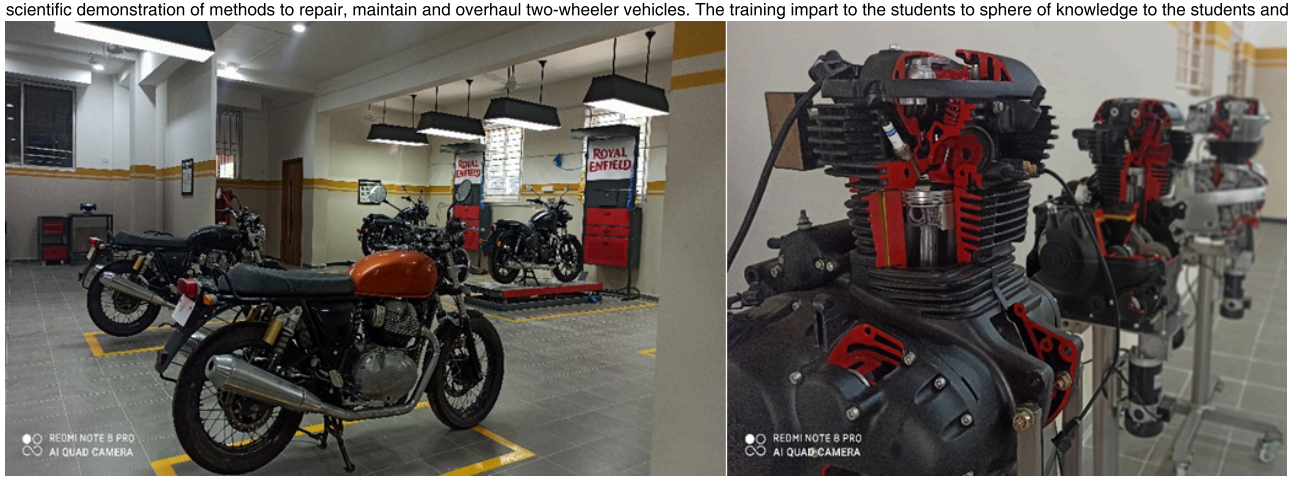
"Royal Enfield Centre of Excellence" first of its kind in Tamil Nadu was established Hindusthan College of Engineering and Technology. The facility is erected in order to provide a sphere of knowledge in two-wheeler technology especially in Royal Enfield for the students. The COE was signed between the Hindusthan Group of Institutions and Royal Enfield (A unit of Eicher Motors Ltd.,) owing to the scrupulous efforts of Tmt.Sarasuwathi Khanniyannan, Secretary and Dr Priya Satish, Executive Secretary Hindusthan Group of institutions..

The objective of Royal Enfield – Hindusthan Centre of Excellence) is to enrich the knowledge of repair, maintenance and diagnostic techniques and terminology of two-wheeler vehicles in specific with Royal Enfield among the students apirants. The students amidst their academics where formed as groups and allowed to undergo different phases of trainings under the experts from Royal Enfield. The faculty members are also given time to be part of the training and improve their understanding of all the existing and advanced techniques in the Royal Enfield.

The Royal Enfield – Hindusthan Centre of Excellence established with excellent infrastructure of more than 20,000 Sq.ft. The work floor consists of various equipment that gives a hands-on approachable experience on basic features and components of the Royal Enfield Motorbikes. The work floor is divided into engine section, transmission section, Chassis section and electrical components section. Each of the section is provided with a working model for better understanding of the components and a cut section model to give a overlook for better observation. Wall charts and posters are provided to give quick insights of the History of Royal Enfield and different models of bike released so far. Every on-going model of Royal Enfield bike are kept inside the facility to make sure the students are trained on bike dimensions and diagnostics. Demographic boards on sensors and electrical components are displayed as a working model to give a knowledge on working of those components.

Air Conditioned class rooms with audio-visual equipment are provided to give a better teaching and learning experience on the latest advancements to the students. Well trained trainers who work with full dedication are deputed to help the students through out the training. Workshops and Crash course modules are designed to educate the students through the visits of highly professional Industrial personnel visits.

A well-equipped library with books and posters on Automotive Technology, published books of Royal Enfield, latest Auto magazine and journal issues given as a source for the students and faculties to acquire more advanced knowledge. The training centre of this caliber can encourage the students to learn automobile with passion and will make them aware of latest technologies available in the Automotive Industry. The faculties also replenish their industrial knowledge and get updates new technologies with in-built training courses specially designed to them. The Royal Enfield – Hindusthan Centre of Excellence helps the students to get familiarized with latest automobile technology through scientific demonstration of methods to repair, maintain and overhaul two-wheeler vehicles. The training impart to the students to sphere of knowledge to the students and make them industry ready and highly employable.



Royal Enfield Centre of Excellence

Electric Vehicle Centre of Excellence in Association with Haritha Mobility

The Department of Automobile Engineering at Hindusthan College of Engineering and Technology has taken a significant step forward in advancing automotive education and research by establishing the Electric Vehicle Centre of Excellence. This pioneering initiative, launched in collaboration with Haritha Mobility, underscores the institution's commitment to staying at the forefront of technological advancements in the automotive sector.

Purpose and Vision

The Electric Vehicle Centre of Excellence aims to provide students with hands-on experience and a deep understanding of electric vehicle (EV) technology. By creating a dedicated space for learning and research, the center seeks to bridge the gap between theoretical knowledge and practical application, preparing students for the rapidly evolving automotive industry.

TATA Tiago EV: A Core Learning Tool

At the heart of the centre's activities is the TATA Tiago EV, which has been completely disassembled as part of an extensive teardown process. This teardown includes a detailed examination and study of all major components of the electric vehicle, offering students a unique opportunity to explore the inner workings of EV technology. The key components analyzed during this process include:

Battery Pack: The battery pack is a critical component of any electric vehicle, and understanding its construction, functionality, and maintenance is essential for future engineers. Students at the centre can study the battery pack's architecture, energy storage capabilities, and the safety mechanisms involved.

Electric Motor: The electric motor is the powerhouse of the EV. By examining the motor's design, operation, and efficiency, students gain insights into the conversion of electrical energy into mechanical energy, which is fundamental to the performance of electric vehicles.

DC-DC Converter: This device plays a crucial role in managing the power supply within the vehicle, converting high-voltage DC power from the battery pack to lower-voltage DC power needed for other components. Understanding its operation is key for ensuring the efficient functioning of the vehicle's electrical systems.

Battery Management Systems (BMS): The BMS is essential for monitoring and managing the health and performance of the battery pack. It ensures the longevity and safety of the battery by balancing the charge across cells, preventing overcharging, and managing temperature. Students can study how the BMS integrates with other vehicle systems to maintain optimal performance.

Benefits to Students and Research

The hands-on experience provided by the teardown and study of the TATA Tiago EV equips students with practical skills that are directly applicable to the industry. They learn not just by observing but by engaging in the disassembly, analysis, and reassembly processes. This comprehensive approach ensures that graduates are not only knowledgeable but also adept at solving real-world challenges in EV technology.

Furthermore, the centre facilitates cutting-edge research in electric vehicle technology. Students and faculty can undertake projects that explore new innovations in battery technology, energy efficiency, and sustainable automotive practices. This research can lead to advancements that contribute to the broader goals of reducing carbon emissions and promoting sustainable transportation solutions.

Haritha Mobility Electric Vehicle Centre of Excellence

FORD INDIA TAKING EDUCATION FURTHER

Deliver hands on practical training and encourage the research and development activity among the student's community and to understand the recent automotive technology, Ford India donated a brand new Ecosport vehicle to Automobile Engineering, Hindusthan College of Engineering and Technology, Coimbatore. As a part of corporate social responsibility - "Taking Education Further" ford has been provided the USA export model with left hand driving systems to the students which makes them to understand the international standards.

Ford Ecosport vehicle enabled with advanced technology like 2.0 GDi gasoline engine with 167 bhp, left hand drive, intelligent four-wheel drive, six airbags, electronic stability balance, cruise control, tyre pressure monitor, preset speed controller, drive and sports mode and SYNC safety technology adopted in this vehicle. This vehicle used in our laboratory to develop the technical competencies, provide hands practical knowledge in electronics and sensor technology and encourage to do the research and development activity among the students

The Ford Ecosport donation was accompanied by a training program for the college's faculty and students. The program aimed to provide students with a comprehensive understanding of the latest automotive technologies and their practical applications. This initiative highlights Ford's commitment to investing in the next generation of engineers and technicians, as well as supporting the development of cutting-edge automotive technology in India. By providing students with access to real-world experience and practical training, Ford aims to help bridge the gap between education and employment, and support the growth of India's engineering and technology sector. As an Nutshell Ford India donated brand new EcoSport vehicle to promote practical training, research development. As a part of corporate social responsibility 'Taking Education Further', Ford has been provided the USA export model. The vehicle is a global model, which has a 2.0-liter GDI engine with a six-speed torque converter gearbox, an all-wheel drive system, and advanced safety features like six airbags, lane departure warning, and so on.

Ford India Sponsored Ford Ecosport Vehicle for Students Learning

PART E: First Year faculty and financial Resources

(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) +(NS2*0.2))/RF
2023-24(CAYm2)	1230	62	62	26	88
2024-25(CAYm1)	1290	64	71	24	96
2025-26(CAY)	1440	72	72	23	86

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

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

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	110000000	108804118	100000000	105905724.4	100000000	109939166	110000000	118964822.4
Library	9600000	9288840	9000000	8993601	11500000	11390000	11500000	11305115
Laboratory equipment	23300000	22000407.31	21800000	21365726	18300000	17932180	11500000	11274625
Teaching and non-teaching staff salary	260000000	262430222	260000000	253357508	260000000	252639286	240000000	243340452
Outreach Programs	230000	225516	220000	213488	1350000	1323044	1500000	1400000
R&D	30000000	28588782	16000000	15863897	12500000	12376980	15000000	15110073
Training, Placement and Industry linkage	22000000	22223953	20000000	21633489.58	7000000	6538615	1500000	1506200
SDGs	2600000	2567279	2500000	2483205.1	2000000	1996698.09	800000	774168
Entrepreneurship	800000	800124	650000	667149	475000	483792	110000	113112
Others, specify	72500000	72744688.57	53100000	55254346.35	48500000	50524739.46	49300000	51349951.1
Total	**531030000**	**529673929.88**	**483270000**	**485738134.43**	**461625000**	**465144500.55**	**441210000**	**455138518.5**

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

Table No. E3.1: Budget and actual expenditure incurred at program level.

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till

Laboratory equipment	400000	371000	250000	263000	200000	192000	150000	122881
Software	50000	51600	100000	96200	50000	50000	0	0
SDGs	60000	57400	60000	52700	50000	48200	25000	29392
Support for faculty development	100000	98180	125000	118000	100000	93400	50000	35000
R & D	250000	265000	200000	196000	200000	194000	150000	100232
Industrial Training, Industry expert, Internship	200000	197900	200000	191460	200000	186000	15000	4000
Miscellaneous Expenses*	75000	75000	75000	75000	75000	73800	75000	78294
Total	**1135000**	**1116080**	**1010000**	**992360**	**875000**	**837400**	**465000**	**369799**

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Civil Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 11672	**Date of Submission**: 23-03-2026

PART A- Profile of the Institute

A1.Name of the Institute: HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 1999-2000	Location of the Institute: SemiUrban
A2. Institute Address:HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY,OTHAKALMANDAPAM POST,COIMBATORE 641 032	
City:Coimbotore	State:Tamil Nadu
Pin Code:641032	Website:www.hicet.ac.in
Email:HINDUSTHAN107@GMAIL.COM	Phone No(with STD Code):0422-4242424
A3. Name and Address of the Affiliating University (if any):	
Name of the University : ANNA UNIERSITY CHENNAI	City: Chennai
State : Tamil Nadu	Pin Code: 600025
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **17**
- No. of PG programs: **7**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Computer Application	PG	Master of Computer Application	2005	--	Computer Application
2	Engineering & Technology	UG	Aeronautical Engineering	2005	--	Aeronautical Engineering
3	Engineering & Technology	UG	Agricultural Engineering	2018	--	Agricultural Engineering
4	Engineering & Technology	PG	Applied Electronics	2009	2024	Electronics and Communication Engineering
5	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2020	--	Artificial Intelligence and Machine Learning
6	Engineering & Technology	UG	Automobile Engineering	2014	--	Automobile Engineering
7	Engineering & Technology	UG	Biomedical Engineering	2018	--	Biomedical Engineering
8	Engineering & Technology	PG	CAD/CAM	2006	--	Mechanical Engineering
9	Engineering & Technology	UG	Chemical Engineering	2019	--	Chemical Engineering
10	Engineering & Technology	UG	Civil Engineering	2009	--	Civil Engineering

11	Engineering & Technology	PG	Communication Systems	2006	--	Electronics and Communication Engineering
12	Engineering & Technology	UG	Computer Science and Business System	2025	--	Computer Science and Business System
13	Engineering & Technology	PG	Computer Science and Engineering	2011	--	Computer Science and Engineering
14	Engineering & Technology	UG	Computer Science and Engineering	2000	--	Computer Science and Engineering
15	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2024	--	Computer Science and Engineering (Cyber Security)
16	Engineering & Technology	UG	Electrical and Electronics Engineering	2002	--	Electrical and Electronics Engineering
17	Engineering & Technology	UG	Electronics & Communication Engineering	2000	--	Electronics and Communication Engineering
18	Engineering & Technology	UG	Electronics & Instrumentation Engineering	2011	--	Electronics and Instrumentation Engineering
19	Engineering & Technology	PG	Embedded Systems	2021	--	Electrical and Electronics Engineering
20	Engineering & Technology	UG	Food Technology	2018	--	Food Technology
21	Engineering & Technology	UG	Information Technology	2002	--	Information Technology
22	Engineering & Technology	UG	Mechanical Engineering	2000	--	Mechanical Engineering
23	Engineering & Technology	UG	Mechatronics Engineering	2011	--	Mechatronics Engineering
24	Management	PG	Master of Business Administration	2005	--	Management

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Aeronautical Engineering	No	Aeronautical Engineering	UG
Civil Engineering	No	Civil Engineering	UG
Automobile Engineering	Yes	Automobile Engineering	UG
Mechatronics Engineering	Yes	Mechatronics Engineering	UG

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

No Record

PART-B: Program information

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

Table No. B1: Program details.
A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Civil Engineering	UG	2009 / --	60	Yes	2020	60	2020	F.No.Southern/1-44641759947/2025/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	1	4

List of the Allied Departments/Cluster and Programs:

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

A. Name of the HoD :	Dr.Akil K
B. Nature of appointment:	Regular
C. Qualification:	M.E. and Ph.D.

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	60	60	60	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	60	60	59	58	60	51	52
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	5	7	9	6	15	17
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	3	3	0	0	3	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	63	68	66	67	69	66	69

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

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

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	60	60	3	105.00
2024-25 (CAYm1)	60	60	3	105.00

2023-24 (CAYm2)	60	59	0	98.33

Average [(ER1 + ER2 + ER3) / 3] = 102.78≡ 100

B5. Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	66.00	75.00	137.00
B=No. of students who graduated from the program in the stipulated course duration	66.00	64.00	69.00
Success Rate (SR)= (B/A) * 100	100.00	85.33	50.36

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 78.56

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

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

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
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)	7.62	7.81	7.49
Y=Total no. of successful students	62.00	56.00	58.00
Z=Total no. of students appeared in the examination	63.00	59.00	58.00
API [X*(Y/Z)]	7.50	7.41	7.49

Average API[(AP1+AP2+AP3)/3] : 7.47

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	7.51	7.49	7.42
Y=Total no. of successful students	62.00	66.00	68.00
Z=Total no. of students appeared in the examination	63.00	67.00	69.00
API [X * (Y/Z)]	7.39	7.38	7.31

Average API [(AP1 + AP2 + AP3)/3] : 7.36

B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.52	7.65	7.83
Y=Total no. of successful students	63.00	66.00	64.00
Z=Total no. of students appeared in the examination	66.00	68.00	65.00
API [X*(Y/Z)]:	7.18	7.42	7.71

Average API [(AP1 + AP2 + AP3)/3] : 7.44

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	66.00	75.00	137.00
X=No. of students placed	56.00	46.00	57.00
Y=No. of students admitted to higher studies	1.00	13.00	3.00
Z= No. of students taking up entrepreneurship	2.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	89.39	78.67	43.80

Average Placement Index = (P_1 + P_2 + P_3)/3: 70.62 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

(Data to be filled in for the Department and Allied Departments)

C1. Faculty details of Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr.Akil K	XXXXXXX04K	M.E. and Ph.D.	Anna University	Environmental Engineering	21/06/2004	21.8	Lecturer	Professor	02/06/2014	Regular	Yes		Yes
2	Dr. Deepa Shri S	XXXXXXX75P	M.E. and Ph.D.	Anna University	Structural Engineering	04/06/2018	7.8	Professor	Professor	04/06/2018	Regular	Yes		No
3	Dr. Chandrasekaran P	XXXXXXX39K	M.E. and Ph.D.	Anna University	Structural Engineering	27/06/2023	2.8	Professor	Professor	27/06/2023	Regular	Yes		No
4	Mr. Senthil Kumar R	XXXXXXX84M	M.E.	Anna University	Geotechnical Engineering	13/06/2011	14.8	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Ms. Saraswathi K	XXXXXXX05R	M.E.	Anna University	Environmental Engineering	13/06/2011	14.8	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mr. Alex Livingston Raja A	XXXXXXX15D	M.E.	Karpagam University	Water Resources and Environmental Engineeirng	13/06/2011	14.8	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mr. Suresh V	XXXXXXX04C	M.E.	Anna University	Geotechnical Engineering	23/06/2014	11.8	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr. Dinesh Kumar M	XXXXXXX32E	M.E.	Anna University	Structural Engineering	23/06/2015	10.8	Assistant Professor	Assistant Professor		Regular	Yes		No

9	Mr. Logan Durai M	XXXXXXX02A	M.E.	Anna University	Construction Management	01/07/2013	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mr. Siddharth K	XXXXXXX25K	M.E.	Anna University	Structural Engineering	04/06/2018	7.8	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Dr. Parthasaarathi R	XXXXXXX57K	M.E. and Ph.D.	Karpagam University	Structural Engineering	04/06/2018	7.9	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mr. Poomalai R	XXXXXXX19K	M.Tech	Anna University	Remote Sensing	01/08/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Dr. Karunanidhi D	XXXXXXX02F	Ph.D	Anna University	Applied Geology	08/02/2023	2.3	Professor	Professor	08/02/2023	Regular	No	31/05/2025	No
14	Ms. Priyadharshini R	XXXXXXX04F	M.E.	Anna University	Structural Engineering	27/06/2017	7.11	Assistant Professor	Assistant Professor		Regular	No	31/05/2025	No
15	Mr. Sakthivel R	XXXXXXX88M	M.E.	Anna University	Structural Engineering	12/06/2019	5.11	Assistant Professor	Assistant Professor		Regular	No	31/05/2025	No
16	Dr. Karthik D	XXXXXXX57B	M.E. and Ph.D.	Anna University	Structural Engineering	01/08/2022	1.9	Associate Professor	Associate Professor	01/08/2022	Regular	No	31/05/2024	No

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

C2. Student-Faculty Ratio (SFR)

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

No. of UG Programs in the Department1 No. of PG Programs in the Department0

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

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B	65	66	66
UG1.C	66	66	66
UG1.D	66	66	66
UG1: Civil Engineering	**197**	**198**	**198**

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
DS=Total no. of students in all UG and PG programs in the Department	197	198	198
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 197	**S2=** 198	**S3=** 198
DF=Total no. of faculty members in the Department	12	15	16
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 12	**F2=** 15	**F3=** 16
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 17.91**	**SFR2= 14.14**	**SFR3= 13.20**
Average SFR for 3 years	**SFR= 15.08**		

C3. Faculty Qualification

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

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = 2.5 x [(10X + 4Y) / RF)]
2025-26(CAY)	3	9	9.00	18.33
2024-25(CAYm1)	4	11	9.00	23.33
2023-24(CAYm2)	5	11	9.00	26.11

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	3.00	2.00	0.00	7.00	9.00
2024-25	1.00	4.00	2.00	0.00	7.00	11.00
2023-24	1.00	4.00	2.00	1.00	7.00	11.00
Average	RF1=1.00	AF1=3.67	RF2=2.00	AF2=0.33	RF2=7.00	AF2=10.33

C5. Visiting/Adjunct Faculty/Professor of Practice

Table No. C5.1: List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Er. R.K. Anush Karthik	Proprietor	A.G. Construction, Pollachi	Construction Project Management, Highway and Railway Engineering	50.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Er. B. Naveen	Senior Structural Engineer	Eversendai Construction Pvt. Ltd., Chennai	Design of RC Elements, Design of Steel Structural Elements	51.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Er. N. Balakumar	Structural Engineer	V.K.P. GeoTech, Coimbatore	Highway and Railway Engineering, Soil Mechanics	50.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	28	14	22
2	No. of peer reviewed conference papers published	24	25	12
3	No. of books/book chapters published	1	8	0

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Akil K	-	Civil Engineering	Rural & Urban Development Development of Light Weight and Cost-Effective Rural Housing Unit using Expanded Polystyrene Panels	TNSDC Niral Thiruvizha	3 Months	0.10
Dr. Jaya J	-	Civil Engineering	-	Department of Science and Technology	5 Years	40.00
						Amount received (Rs.):40.10

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. Siddharth K	-	Civil Engineering	Utilization of Waste Plastic Waste Fibres for Reinforcement in Concrete	TNSDC Niral Thiruvizha	6 Months	0.10
						Amount received (Rs.):0.10

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. Alex Livingston Raja A	-	Civil Engineering	Mission AmritSarovar – Jal Dharohar Sanrakshan Internship	AICTE	20 Days	2.00
Dr. Karunanidhi D	-	Civil Engineering	An integrated approach to perchlorate contamination in groundwater and its toxicological impact on human health: suggesting in-situ remediation in Arjunanadi River basin, Tamil Nadu	SERB	3 Years	28.29
						Amount received (Rs.):30.29

Total Amount (Lacs) Received for the Past 3 Years: 70.49

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. Parthasaarathi R	-	Civil Engineering	Testing of Concrete Specimens	M. Harini Constructions, Erode.	13.02.2025 to 17.02.2025	0.01
Mr. Parthasaarathi R	-	Civil Engineering	Testing of Concrete Cubes with Fosroc Pathroc Material	M. Harini Constructions, Erode.	17.02.2025 to 22.02.2025	0.02
Mr. Suresh V	-	Civil Engineering	Soil Testing	Mr. A. M. Tirukkumaran, Theni	12.02.2025 to 14.02.2025	1.28
Mr. Dinesh Kumar M	-	Civil Engineering	Testing of Brick Specimens	Unique Industry, Coimbatore	19.03.2025 to 21.03.2025	0.01
Mr. Suresh V	-	Civil Engineering	DPR for Sellakkarichal Ponds	United Way, Bangalore	07.10.2024 to 18.12.2024	2.95
Mr. Poomalai R	Mr. Alex Livingston Raja	Civil Engineering	Building Level Land Surface Temperature Mapping and Urban Heat Vulnerability Assessment of Tiruchirappalli Using High Resolution Geospatial Technologies.	ASSRG, Trichy	03.04.2024 to 24.01.2025	7.50
						Amount received (Rs.):11.77

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. Alex Livingston Raja	Mr. Poomalai R	Civil Engineering	Mapping Urban Heat: Harnessing Geospatial Technologies for Land Surface Temperature Analysis in Tamil Nadu.	ASSRG, Trichy	28.07.2023 to 25.03.2024	3.00
Mr. Senthilkumar R	-	Civil Engineering	Soil Testing	Sams Associates, Coimbatore.	20.08.2023 to 29.08.2023	0.06
Mr. Poomalai R	-	Civil Engineering	Preparation of Topography Map	V.S. Architect and Engineer, Coimbatore.	09.08.2023 to 04.09.2023	0.38
Mr. Senthilkumar R	-	Civil Engineering	Soil Testing	G Plus Constructions, Pollachi.	05.10.2023 to 17.10.2023	0.03
Mr. Dinesh Kumar M	-	Civil Engineering	Testing of Natural Sand	Saravanaraja Constructions, Coimbatore	15.09.2023 to 20.10.2023	0.08
Mr. R. Parthasaarathi	Mr. R. Sakthivel	Civil Engineering	Planning, Analysis and Design of Shopping Mall at Avinashi	G Plus Constructions, Pollachi.	14.11.2023 to 20.12.2023	2.77
Mr. Dinesh Kumar M	-	Civil Engineering	Testing of Concrete Specimens	Retro Builders, Dindigul	04.01.2024 to 12.01.2024	0.25
Mr. Senthil Kumar R	Mr. Alex Livingston Raja	Civil Engineering	Field Testing	Sams Associates, Coimbatore.	03.02.2024 to 19.02.2024	0.06
Mr. Sakthivel R	Mr. Siddharth K	Civil Engineering	Structural Design and Detailing of Warehouse	Asokan Constructions, Udangudi.	05.01.2024 to 29.02.2024	1.71
Mr. Parthasaarathi R	-	Civil Engineering	Structural Analysis and Reinforcement Drawing of the Proposed Hospital Building (G+2)	Renaissance Structures and Consultants, Coimbatore.	29.01.2024 to 01.03.2024	0.50
Dr. Karunanidhi D	-	Civil Engineering	GIS Mapping	Mr. Balasubraniyam, Kangeyam	05.02.2024 to 04.03.2024	1.04
Mr. Suresh V	-	Civil Engineering	Soil Testing for project site at Nehru College of Science and Technology	Sam Construction and Consultancy, Thuraiyur.	13.02.2024 to 07.03.2024	1.06
Mr. Alex Livingston Raja A	-	Civil Engineering	Water Quality Assessment	Quazer Construction, Coimbatore.	06.03.2024 to 18.03.2024	0.35
						Amount received (Rs.):11.29

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. Senthil Kumar R	Ms. Saraswathi K	Civil Engineering	Project Planning and Budget Preparation for Renovation of Tea Factory	Flash Engineering Works, Pollachi	10.07.2022 to 29.08.2022	0.67
Dr. Akil K	Mr. Alex Livingston Raja A	Civil Engineering	Project on “Composting of Food Waste”	DNxt Ideas India Private Limited, Coimbatore	12.03.2022 to 14.08.2022	0.71
Mr. Senthil Kumar R	Mr. Alex Livingston Raja A	Civil Engineering	Traffic Survey for the proposed Semmozhi Poonga, Coimbatore	/s. Roopmathi Anand Architects, Chennai.	12.09.2022 to 16.09.2022	0.18
						Amount received (Rs.):1.56

Total amount (Lacs) received for the past 3 years: 24.62

Note*:

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

C9. Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr. A. Alex Livingston Raja	Spatial Distribution Mapping of Air Quality Parameters in Coimbatore using GIS Techniques	1 Year	2.00	2.00	-
Mr. R. Parthasaarathi	Lightweight, Durable and Sustainable Construction Material	1 Year	0.55	0.55	Journal Paper Published
			Amount received (Rs.): 2.55		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr. R. Sakthivel	Experimental investigation on granite waste and Alcofine in concrete	1 Year	2.00	1.90	Journal Paper Published
Mr. R. Parthasaarathi	Study on bamboo-reinforced cement concrete	1 Year	0.80	0.80	Journal Paper Published
			Amount received (Rs.): 2.80		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr. R. Parthasaarathi	Fiber Reinforced Pre-Stressed Concrete Beam to Rebel Three Load Factor	6 Months	0.45	0.45	Conference Paper Presentation
Mr. R. Sakthivel	Reuse of Non-Biodegradable Solid Waste as a Partial Replacement of Fine Aggregate in Concrete Blocks	6 Months	0.50	0.50	Conference Paper Presentation
			Amount received (Rs.): 0.95		

Total amount (Lacs) received for the past 3 years : 6.30

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

D1. Adequate and Well-Equipped Laboratories, and Technical Manpower

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

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Survey Laboratory	4	1.Total Station 2.Vernier Transit Theodolite 3.Global Positioning System 4.Digital Theodolite	4 Hours	Mr. Ramasamy N	Lab Technician	B.E.
2	Computer Aided Design and Drafting Laboratory	20	Acer - Veriton - Desktop – Acer Veriton M200- H 510 (i5-11th Gen/ 8GB Ram/ 1 TB – HDD / Win -11) + 19.5” Monitor	20 Hours	Mr. Nagaraj N	Lab Technician	I.T.I.
3	Strength of Materials Laboratory	15	1. Universal Testing Machine 2.Compression Testing Machine 3.Tensile Testing machine 4.Impact Testing Machine	3 Hours	Mr. Balamurali Krishnan M	Lab Technician	B.E.
4	Fluid Mechanics and Machinery Laboratory	27	1.Pelton Turbine 2.Francis Turbine 3.Kaplan Turbine 4.Mini Hydraulic Flume- Adjustable Channel (closed circuit) 5.Calibration of Notches Apparatus	4 Hours	Mr. Hirudayasami P	Lab Assistant	J.T.S
5	Soil Mechanics Laboratory	4	1.Relative Density Apparatus 2.Three Gang Consolidation Apparatus 3.Direct Shear Apparatus 4.CBR Testing Machine	4 Hours	Mr. Balamurali Krishnan M	Lab Technician	B.E.
6	Concrete and Highway Laboratory	8	1.Compressive Testing Machine 2.Digital Compressive Testing Machine 3.Abrasion Testing Machine 4.Flexural Testing Machine (100 kN) 5.Ductility Testing Machine	8 Hours	Mr. Lalithkumar N	Lab Technician	B.E.
7	Environmental Engineering Laboratory	4	1.Dissolved Oxygen Analyser 2.UV-Visible Spectrophotometer 3.Bench Top Ion Meter 4.Atomic Absorption Spectrophotometer 5.BOD Incubator 6.COD	6 Hours	Ms. Geethanjali M	Lab Assistant	B.B.A.

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Survey Laboratory	1. Do’s and Don’ts chart with safety instructions 2. Laboratory safety and instruction manual 3. Fire extinguisher 4. First aid kit 5. Roadside surveying shall be conducted with proper caution.
2	Computer Aided Building Drawing Laboratory	1. Do’s and Don’ts chart with safety instructions 2. Laboratory safety and instruction manual 3. Fire extinguisher 4. First aid kit

3	Strength of Materials Laboratory	1. Do's and Don'ts chart with safety instructions 2. Laboratory safety and instruction manual 3. Fire extinguisher 4. First aid kit 5. Earthing for heavy electrical equipment
4	Fluid Mechanics and Machinery laboratory	1. Do's and Don'ts chart with safety instructions 2. Laboratory safety and instruction manual 3. Fire extinguisher 4. First aid kit 5. Earthing for heavy electrical equipment
5	Soil Mechanics Laboratory	1. Do's and Don'ts chart with safety instructions 2. Laboratory safety and instruction manual 3. Fire extinguisher 4. First aid kit 5. Earthing for heavy electrical equipment
6	Concrete and Highway Laboratory	1. Do's and Don'ts chart with safety instructions 2. Laboratory safety and instruction manual 3. Fire extinguisher 4. First aid kit 5. Earthing for heavy electrical equipment
7	Environmental Engineering Laboratory	1. Do's and Don'ts chart with safety instructions 2. Laboratory safety and instruction manual 3. Fire extinguisher 4. First aid kit 5. Earthing for heavy electrical equipment
8	Computer Aided Design and Drawing Laboratory	1. Do's and Don'ts chart with safety instructions 2. Laboratory safety and instruction manual 3. Fire extinguisher 4. First aid kit

D3. Project Laboratory/Research Laboratory

The Project Laboratory provides students with a space to learn, innovate, and work on engineering projects. It helps students apply classroom knowledge to practical problems and improve their technical skills.

For Civil Engineering students, project-related experimental investigations, testing, model development, and research activities are carried out in the respective laboratories, including the Concrete and Highway Laboratory, Strength of Materials Laboratory, Soil Mechanics Laboratory, Environmental Engineering Laboratory, and Computer-Aided Design and Drafting Laboratory, based on the specific requirements of the project.

These laboratories support mini projects, design projects, final-year projects, research activities, and participation in hackathons by providing the necessary facilities, equipment, and software tools. They enable students to conceptualize, develop, analyze, and validate engineering solutions while gaining hands-on experience in the application of civil engineering principles. The practical exposure gained through these activities enhances students' technical competence and prepares them to meet industry expectations and adapt to emerging technologies.

Table No. 7.5.1: List of Project Laboratory / Research Laboratory / Centre of Excellence

S.No.	Name of the Laboratory
1	Knowledge Centre for Precast Concrete supported by VME Precast
2	Knowledge Centre for Concrete Technology supported by Ramco Cements
3	Geospatial Research Lab supported by Active Spatial Sciences Research Group

PART E: First Year faculty and financial Resources

(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) +(NS2*0.2))/RF
2023-24(CAYm2)	1230	62	59	30	86
2024-25(CAYm1)	1290	64	69	39	98
2025-26(CAY)	1440	72	69	39	88

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

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

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	110000000	108804118	100000000	105905724.4	100000000	109939166	110000000	118964822.4
Library	9600000	9288840	9000000	8993601	11500000	11390000	11500000	11305115
Laboratory equipment	23300000	22000407.31	21800000	21365726	18300000	17932180	11500000	11274625
Teaching and non-teaching staff salary	260000000	262430222	260000000	253357508	260000000	252639286	240000000	243340452
Outreach Programs	230000	225516	220000	213488	1350000	1323044	1500000	1400000
R&D	30000000	28588782	16000000	15863897	12500000	12376980	15000000	15110073
Training, Placement and Industry linkage	22000000	22223953	20000000	21633489.58	7000000	6538615	1500000	1506200
SDGs	2600000	2567279	2500000	2483205.1	2000000	1996698.09	800000	774168
Entrepreneurship	800000	800124	650000	667149	475000	483792	110000	113112
Others, specify	72500000	72744688.57	53100000	55254346.35	48500000	50524739.46	49300000	51349951.1
Total	**531030000**	**529673929.88**	**483270000**	**485738134.43**	**461625000**	**465144500.55**	**441210000**	**455138518.5**

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

Table No. E3.1: Budget and actual expenditure incurred at program level.

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Laboratory equipment	450000	424532	100000	61455	100000	81956	360000	384221
Software	100000	80600	100000	78500	80000	75000	75000	70800
SDGs	150000	101000	150000	103886	120000	112482	50000	50991
Support for faculty development	100000	90500	100000	96000	100000	89000	40000	35046
R & D	250000	212500	250000	298000	250000	277000	100000	95410
Industrial Training, Industry expert, Internship	100000	160600	350000	350706	225000	205397	50000	32130
Miscellaneous Expenses*	20000	18124	20000	19786	20000	21912	15000	15776
Total	**1170000**	**1087856**	**1070000**	**1008333**	**895000**	**862747**	**690000**	**684374**

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Mechatronics Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 11672	**Date of Submission**: 23-03-2026

PART A- Profile of the Institute

A1.Name of the Institute: HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 1999-2000	Location of the Institute: SemiUrban
A2. Institute Address:HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY,OTHAKALMANDAPAM POST,COIMBATORE 641 032	
City:Coimbotore	State:Tamil Nadu
Pin Code:641032	Website:www.hicet.ac.in
Email:HINDUSTHAN107@GMAIL.COM	Phone No(with STD Code):0422-4242424
A3. Name and Address of the Affiliating University (if any):	
Name of the University : ANNA UNIERSITY CHENNAI	City: Chennai
State : Tamil Nadu	Pin Code: 600025
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **17**
- No. of PG programs: **7**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Computer Application	PG	Master of Computer Application	2005	--	Computer Application
2	Engineering & Technology	UG	Aeronautical Engineering	2005	--	Aeronautical Engineering
3	Engineering & Technology	UG	Agricultural Engineering	2018	--	Agricultural Engineering
4	Engineering & Technology	PG	Applied Electronics	2009	2024	Electronics and Communication Engineering
5	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2020	--	Artificial Intelligence and Machine Learning
6	Engineering & Technology	UG	Automobile Engineering	2014	--	Automobile Engineering
7	Engineering & Technology	UG	Biomedical Engineering	2018	--	Biomedical Engineering
8	Engineering & Technology	PG	CAD/CAM	2006	--	Mechanical Engineering
9	Engineering & Technology	UG	Chemical Engineering	2019	--	Chemical Engineering
10	Engineering & Technology	UG	Civil Engineering	2009	--	Civil Engineering
11	Engineering & Technology	PG	Communication Systems	2006	--	Electronics and Communication Engineering
12	Engineering & Technology	UG	Computer Science and Business System	2025	--	Computer Science and Business System

13	Engineering & Technology	PG	Computer Science and Engineering	2011	--	Computer Science and Engineering
14	Engineering & Technology	UG	Computer Science and Engineering	2000	--	Computer Science and Engineering
15	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2024	--	Computer Science and Engineering (Cyber Security)
16	Engineering & Technology	UG	Electrical and Electronics Engineering	2002	--	Electrical and Electronics Engineering
17	Engineering & Technology	UG	Electronics & Communication Engineering	2000	--	Electronics and Communication Engineering
18	Engineering & Technology	UG	Electronics & Instrumentation Engineering	2011	--	Electronics and Instrumentation Engineering
19	Engineering & Technology	PG	Embedded Systems	2021	--	Electrical and Electronics Engineering
20	Engineering & Technology	UG	Food Technology	2018	--	Food Technology
21	Engineering & Technology	UG	Information Technology	2002	--	Information Technology
22	Engineering & Technology	UG	Mechanical Engineering	2000	--	Mechanical Engineering
23	Engineering & Technology	UG	Mechatronics Engineering	2011	--	Mechatronics Engineering
24	Management	PG	Master of Business Administration	2005	--	Management

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Aeronautical Engineering	No	Aeronautical Engineering	UG
Civil Engineering	No	Civil Engineering	UG
Automobile Engineering	Yes	Automobile Engineering	UG
Mechatronics Engineering	Yes	Mechatronics Engineering	UG

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

Allied Department/Cluster Name	Program Name	Program Level
Automobile Engineering	Automobile Engineering	UG
Electronics and Communication Engineering	Electronics & Communication Engineering	UG
Electronics and Instrumentation Engineering	Electronics & Instrumentation Engineering	UG
Mechanical Engineering	Mechanical Engineering	UG
Electronics and Communication Engineering	Applied Electronics	PG
Electronics and Communication Engineering	Communication Systems	PG
Mechanical Engineering	CAD/CAM	PG

PART-B: Program information

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

Table No. B1: Program details.
A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Mechatronics Engineering	UG	2011 / --	60	Yes	NA	120	2011	F.No.Southern/1-44641759947/2025/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	1	4

List of the Allied Departments/Cluster and Programs:

SR.NO.	ALLIED DEPARTMENT NAME	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Automobile Engineering	Automobile Engineering	UG	2014 / --	60	No	NA	60	2014	F.No.Southern/1-44641759947/2025/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	1	4
2	Electronics and Instrumentation Engineering	Electronics & Instrumentation Engineering	UG	2011 / --	60	Yes	2025	60	2025	F.No.Southern/1-44641759947/2025/EOA	Not eligible for accreditation	--	--	0	4

Sanctioned Intake for Last Five Years for the Electronics & Instrumentation Engineering	
Academic Year	**Sanctioned Intake**
2025-26	60
2024-25	30
2023-24	30
2022-23	30
2021-22	30
2020-21	60

3	Mechanical Engineering	Mechanical Engineering	UG	2000 / --	60	Yes	2021	120	2021	F.No.Southern/1-44641759947/2025/EOA	Granted accreditation for 3 years for the period (specify period)	2024	2027	6	4

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

SR.NO.	ALLIED DEPARTMENT NAME	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
4	Electronics and Communication Engineering	Electronics & Communication Engineering	UG	2000 / --	60	Yes	2021	120	2021	F.No.Southern/1-44641759947/2025/EOA	Granted accreditation for 3 years for the period (specify period)	2024	2027	6	4

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

5	Electronics and Communication Engineering	Applied Electronics	PG	2009 / 2024	18	Yes	NA	18	2009	F.No.Southern/1-44641759947/2025/EOA	Not eligible for accreditation	--	--	0	2
6	Electronics and Communication Engineering	Communication Systems	PG	2006 / --	18	Yes	NA	18	2006	F.No.Southern/1-44641759947/2025/EOA	Not eligible for accreditation	--	--	0	2
7	Mechanical Engineering	CAD/CAM	PG	2006 / --	18	Yes	2020	9	2020	F.No.Southern/1-44641759947/2025/EOA	Not eligible for accreditation	--	--	0	2

Sanctioned Intake for Last Five Years for the CAD/CAM	
Academic Year	**Sanctioned Intake**
2025-26	9
2024-25	9
2023-24	9
2022-23	9
2021-22	9
2020-21	9

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

A. Name of the HoD :	Dr.P.T.Saravanakumar
B. Nature of appointment:	Regular
C. Qualification:	M.E. and Ph.D.

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)

N=Sanctioned intake of the program (as per AICTE /Competent authority)	120	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	120	120	120	97	79	69
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	11	9	12	31	42	11
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	6	6	2	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.	126	137	131	132	128	121	80

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

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

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	120	120	6	105.00
2024-25 (CAYm1)	120	120	6	105.00
2023-24 (CAYm2)	120	120	2	101.67

Average [(ER1 + ER2 + ER3) / 3] = 103.89≡ 100

B5. Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	151.00	162.00	131.00
B=No. of students who graduated from the program in the stipulated course duration	104.00	101.00	73.00
Success Rate (SR)= (B/A) * 100	68.87	62.35	55.73

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 62.32

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

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

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
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)	8.11	7.97	8.20
Y=Total no. of successful students	125.00	119.00	120.00
Z=Total no. of students appeared in the examination	126.00	122.00	120.00
API [X*(Y/Z)]	8.05	7.77	8.20

Average API[(AP1+AP2+AP3)/3] : 8.01

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	8.18	7.87	8.49
Y=Total no. of successful students	124.00	131.00	128.00

Z=Total no. of students appeared in the examination	128.00	132.00	128.00
API [X * (Y/Z)]	7.92	7.81	8.49

Average API [(AP1 + AP2 + AP3)/3] : 8.07

B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	8.15	8.42	8.52
Y=Total no. of successful students	129.00	128.00	120.00
Z=Total no. of students appeared in the examination	131.00	128.00	120.00
API [X*(Y/Z)]:	8.03	8.42	8.52

Average API [(AP1 + AP2 + AP3)/3] : 8.32

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	151.00	162.00	131.00
X=No. of students placed	95.00	91.00	56.00
Y=No. of students admitted to higher studies	7.00	4.00	3.00
Z= No. of students taking up entrepreneurship	2.00	2.00	2.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	68.87	59.88	46.56

Average Placement Index = (P_1 + P_2 + P_3)/3: 58.44 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

(Data to be filled in for the Department and Allied Departments)

C1. Faculty details of Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr.P.T.Saravanakumar	XXXXXXX55N	M.E. and Ph.D.	Anna University	Thermal Engineering	01/03/2021	5	Professor	Professor	01/03/2022	Regular	Yes		Yes
2	Dr.T.Vandarkuzhali	XXXXXXX48M	M.E. and Ph.D.	Anna University	Power Electronics & Drives	25/06/2007	18.8	Lecturer	Associate Professor	01/03/2022	Regular	Yes		No
3	Dr.R.Madhusudhanan	XXXXXXX87M	M.E. and Ph.D.	Anna University	Applied Electronics	21/06/2017	8.8	Assistant Professor	Associate Professor	01/06/2019	Regular	Yes		No
4	Dr.Pradeep Johnson	XXXXXXX41M	M.E. and Ph.D.	Anna University	CAD/CAM	18/06/2008	17.8	Lecturer	Professor	03/06/2024	Regular	Yes		No
5	Dr.M.ArunKumar	XXXXXXX19Q	M.E. and Ph.D.	Anna University	Thermal Engineering	01/07/2023	2.8	Associate Professor	Associate Professor	01/07/2023	Regular	Yes		No

6	Dr.M.M.Jegan	XXXXXXX81Q	M.E. and Ph.D.	Anna University	Mechatronics Engineering	01/06/2020	5.9	Assistant Professor	Associate Professor	06/01/2026	Regular	Yes		No
7	Dr.R.Vasanth	XXXXXXX97D	M.E. and Ph.D.	Anna University	Mechatronics Engineering	09/07/2025	0.8	Associate Professor	Associate Professor	09/07/2025	Regular	Yes		No
8	Dr.P.Ravi Chandran	XXXXXXX28G	M.E. and Ph.D.	Anna University	Thermal Engineering	03/07/2023	2.8	Professor	Professor	03/07/2023	Regular	Yes		No
9	Dr.S.Satheeshkumar	XXXXXXX54N	M.E. and Ph.D.	Anna University	Mechatronics Engineering	01/02/2023	3.1	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mr.M.Rajendran	XXXXXXX09F	M.E.	Anna University	Energy Engineering	03/07/2017	8.8	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mr.M.Karthikeyan	XXXXXXX26A	M.E.	Anna University	Mechatronics Engineering	25/06/2012	13.8	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mrs. Sindhu.S.SS	XXXXXXX74K	M.E.	Anna University	Mechatronics Engineering	24/06/2013	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mr.G.Thilak	XXXXXXX46A	M.E.	Anna University	Product Design & Development	23/06/2014	11.8	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mr.K.Kesavaraj	XXXXXXX67G	M.E.	Anna University	Mechatronics Engineering	01/07/2016	9.8	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Mr.T.Prabhu	XXXXXXX06H	M.E.	Anna University	Mechatronics Engineering	18/07/2016	9.7	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Mr.M. Kumaresan	XXXXXXX16M	M.E.	Anna University	Robotics	11/06/2018	7.9	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Mr.S.Manojkumar	XXXXXXX17L	M.E.	Anna University	CAD/CAM	11/05/2023	2.10	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mr.R.V.Rangarajan	XXXXXXX60G	M.E.	Anna University	Product Design & Development	11/05/2023	2.10	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Mr.P.Naveenkumar	XXXXXXX64R	M.E.	Anna University	Manufacturing Engineering	11/05/2023	2.10	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Mr.K.Guruvaran	XXXXXXX62Q	M.E.	Anna University	Electrical & Electronics	09/07/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Ms.D.Dhanalakshmi	XXXXXXX02E	M.E.	Anna University	Mechatronics Engineering	01/07/2016	9.8	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Mr.N.Sanjay Ram	XXXXXXX62B	M.E.	Anna University	Industrial automation robotics	01/06/2020	5.9	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Mr.S.Manoj	XXXXXXX66K	M.E.	Anna University	Mechatronics Engineering	02/06/2023	2.9	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Ms.J.Jasmitha	XXXXXXX49A	M.E.	Anna University	Thermal Engineering	01/07/2024	1.8	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Dr.S.Prem Anand	XXXXXXX01A	M.E. and Ph.D.	Anna University	Mechatronics Engineering	04/06/2018	7.9	Assistant Professor	Assistant Professor		Regular	Yes		No
26	Mr.P.Karthik	XXXXXXX17F	M.E.	Anna University	CAD/CAM	27/06/2017	8.8	Assistant Professor	Assistant Professor		Regular	Yes		No
27	Dr.M.Karpagam	XXXXXXX11A	M.E. and Ph.D.	Anna University	Power Electronics & Drives	25/06/2012	13	Assistant Professor	Professor	01/05/2019	Regular	No	18/07/2025	No

28	Mr.P.Sivaprakash	XXXXXXX41F	M.E.	Anna University	Mechatronics Engineering	01/08/2011	13	Assistant Professor	Assistant Professor		Regular	No	31/07/2024	No

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

Sr.No	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr Sabarinathan C	XXXXXXX50J	XXXXXXXXX678	Ph.D	Anna University	Nano Composites	01/06/2005	20.9	Assistant Professor	Professor	19/04/2018	Regular	Yes		Yes
2	Dr Sankar Ganesh R	XXXXXXX97Q	XXXXXXXXX637	Ph.D	Anna University	Alternative Fuels	04/01/2008	18.2	Assistant Professor	Professor	05/07/2023	Regular	Yes		No
3	Dr SamuelGemsprim M	XXXXXXX04J	XXXXXXXXX397	Ph.D	Anna University	Composites Material	01/07/2016	9.8	Assistant Professor	Associate Professor	05/07/2023	Regular	Yes		No
4	Dr Krishnaraj J	XXXXXXX09Q	XXXXXXXXX085	Ph.D	Anna University	Fuels	01/07/2016	9.8	Assistant Professor	Associate Professor	01/07/2024	Regular	Yes		No
5	Dr Yogaraja J	XXXXXXX73R	XXXXXXXXX933	Ph.D	Anna University	Thermal Engineeirng	01/07/2015	10.8	Assistant Professor	Associate Professor	02/07/2025	Regular	Yes		No
6	Mr Dhayanathan N	XXXXXXX60L	XXXXXXXXX428	M.E.	Anna University	CAD/CAM	02/06/2012	13.9	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mr Ragu S	XXXXXXX57R	XXXXXXXXX259	M.E.	Karpagam Academy of Higher Education	Automobile Engineering	21/06/2017	8.8	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr Naveenraj D	XXXXXXX97Q	XXXXXXXXX128	M.E.	Karpagam Academy of Higher Education	Automobile Engineering	04/06/2018	7.8	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mr Mujiburrahman K	XXXXXXX43G	XXXXXXXXX430	M.E.	Anna University	Engineering Design	17/06/2019	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mr Prabhu G	XXXXXXX25G	XXXXXXXXX177	M.E.	Karpagam Academy of Higher Education	Automobile Engineering	17/06/2019	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mr Satheesh Kumar K	XXXXXXX00Q	XXXXXXXXX569	M.E.	Anna University	Engineering Design	19/06/2019	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mr Prakash R S	XXXXXXX31M	XXXXXXXXX418	M.E.	Karpagam Academy of Higher Education	Automobile Engineering	19/06/2019	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mr Diwagar G	XXXXXXX86F	XXXXXXXXX812	M.E.	Karpagam Academy of Higher Education	Automobile Engineering	03/07/2023	2.7	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mr Jeevanandam P	XXXXXXX55M	XXXXXXXXX434	M.E.	Anna University	CAD/CAM	05/07/2023	2.8	Assistant Professor	Assistant Professor		Regular	Yes		No

15	Dr.B.Anand	XXXXXXX19C	XXXXXXXXX800	Ph.D	Anna University	Electrical Engineering	25/06/2003	22.8	Professor	Professor	02/01/2017	Regular	Yes		No
16	Dr.P.Moniya	XXXXXXX05M	XXXXXXXXX787	Ph.D	Anna University	Electrical Engineering	01/06/2022	3.9	Associate Professor	Associate Professor	01/06/2024	Regular	Yes		No
17	Mr.D.Vijayanandh	XXXXXXX46F	XXXXXXXXX526	M.E.	Anna University	Process Control Instrumentation	24/06/2013	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mr.R.Vinoth Kumar	XXXXXXX06D	XXXXXXXXX233	M.E.	Anna University	Control and Instrumentation	24/06/2013	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Mr.D.Deivasigamani	XXXXXXX88B	XXXXXXXXX432	M.E.	Anna University	Control and Instrumentation	23/06/2014	11.8	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Mr.M.Sudagar	XXXXXXX41F	XXXXXXXXX681	M.E.	Anna University	Applied Electronics	04/07/2016	9.8	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Ms.N.Kavitha	XXXXXXX68B	XXXXXXXXX467	M.E.	Anna University	Control and Instrumentation	01/07/2016	9.8	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Dr.P.Vijayalakshmi	XXXXXXX96J	XXXXXXXXX752	Ph.D	Anna University	Wireless Sensor Networks	20/06/2006	19.8	Assistant Professor	Professor	01/07/2015	Regular	Yes		No
23	Dr.J.Jaya	XXXXXXX64B	XXXXXXXXX483	Ph.D	Anna University	Image Processing	01/02/2021	5	Professor	Professor	01/02/2021	Regular	Yes		No
24	Dr.N.J.R.Muniraj	XXXXXXX75R	XXXXXXXXX090	Ph.D	Anna University	VLSI Design	18/06/2025	0.8	Professor	Professor	18/06/2025	Regular	Yes		No
25	Dr.J.Ramya	XXXXXXX12D	XXXXXXXXX430	Ph.D	Anna University	Communication Systems	03/01/2006	20.2	Assistant Professor	Associate Professor	02/06/2014	Regular	Yes		No
26	Dr.P.F.Khaleelur Rahiman	XXXXXXX29N	XXXXXXXXX211	Ph.D	Anna University	Applied Electronics	17/05/2006	19.9	Assistant Professor	Associate Professor	05/01/2010	Regular	Yes		No
27	Dr.T.Manjula	XXXXXXX01T	XXXXXXXXX460	Ph.D	Anna University	Applied Electronics	01/07/2010	15.8	Assistant Professor	Associate Professor	01/03/2022	Regular	Yes		No
28	Dr.A.Shankar	XXXXXXX43N	XXXXXXXXX148	Ph.D	Anna University	Applied Electronics	18/06/2025	0.8	Associate Professor	Associate Professor	18/06/2025	Regular	Yes		No
29	Dr.M.Thiruppathi	XXXXXXX86A	XXXXXXXXX170	Ph.D	Anna University	Embedded Systems Technologies	22/07/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
30	Dr.K.A.Pranesh	XXXXXXX08N	XXXXXXXXX350	Ph.D	Anna University	Embedded Systems Technologies	01/07/2024	1.8	Assistant Professor	Assistant Professor		Regular	Yes		No
31	Dr..M.Ponmathy	XXXXXXX26A	XXXXXXXXX139	Ph.D	Anna University	Power Systems Engineering	05/08/2024	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
32	Dr.T.Dharanika	XXXXXXX16F	XXXXXXXXX612	Ph.D	Anna University	VLSI Design	18/06/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
33	Mr.T.Anandaselvakarthik	XXXXXXX61R	XXXXXXXXX209	M.E.	Anna University	Communication Systems	24/06/2013	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
34	Mr.P. Sam Jenifer	XXXXXXX46N	NA	M.E.		Communication Systems	02/07/2014	11.8	Assistant Professor	Assistant Professor		Regular	Yes		No
35	Ms.M.Gayathiri	XXXXXXX40L	XXXXXXXXX383	M.E.	Anna University	Applied Eletronics	25/07/2022	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No
36	Mr.K.Adaikkappan	XXXXXXX36C	NA	M.E.	Anna University	Applied Electronics	01/07/2023	2.8	Assistant Professor	Assistant Professor		Regular	Yes		No

37	Mr.R.Arunprasath	XXXXXXX01E	XXXXXXXXX255	M.E.	Anna University	VLSI Design	01/08/2024	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
38	Mr.P.S.Diwakar	XXXXXXX22B	XXXXXXXXX226	M.E.	Anna University	Power Electronics	18/06/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
39	Mr.V.Santhosh Kumar	XXXXXXX36B	NA	M.E.	Anna University	VLSI Design	15/07/2024	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
40	Ms.S.Ambiga	XXXXXXX43K	NA	M.E.	Anna University	Embedded Systems	01/08/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
41	Mr.Muthuraj	XXXXXXX95A	NA	M.E.	Anna University	Communication Systems	01/09/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
42	Mr.Raghupathi	XXXXXXX02A	NA	M.E.	Anna University	VLSI Design	01/09/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
43	Dr.P.K.Poonguzhali	XXXXXXX09P	NA	Ph.D	Anna University	Communication Systems	25/06/2007	17.11	Assistant Professor	Associate Professor	02/06/2010	Regular	No	24/05/2025	No
44	Dr.A.Udhayakumar	XXXXXXX26J	NA	Ph.D	Anna University	Applied Electronics	03/07/2006	18.10	Assistant Professor	Associate Professor	02/06/2014	Regular	No	24/05/2025	No
45	Dr.A.Vijayalakshmi	XXXXXXX59J	XXXXXXXXX867	Ph.D	Anna University	Applied Electronics	05/07/2023	1.10	Associate Professor	Associate Professor	05/07/2023	Regular	No	22/05/2025	No
46	Dr.A.Narendrakumar	XXXXXXX10N	NA	Ph.D	Anna University	Digital Communication and Networking	25/07/2022	2.4	Assistant Professor	Assistant Professor		Regular	No	26/11/2024	No
47	Ms.R.Vanitha	XXXXXXX95K	NA	M.E.	Anna University	Applied Electronics	23/06/2014	10.11	Assistant Professor	Assistant Professor		Regular	No	24/05/2025	No
48	Mr.P.Suresh Kumar	XXXXXXX97L	NA	M.E.	Anna University	Embedded Systems Technologies	02/07/2014	11.8	Assistant Professor	Assistant Professor		Regular	Yes		No
49	Mr.P.Karthikeyan	XXXXXXX67Q	NA	M.E.	Anna University	Communication Systems	02/07/2014	11.8	Assistant Professor	Assistant Professor		Regular	Yes		No
50	Mr.P.Vimal	XXXXXXX19D	NA	M.E.	Anna University	VLSI Design	14/07/2015	10.8	Assistant Professor	Assistant Professor		Regular	Yes		No
51	Ms.P.Priyanga	XXXXXXX27R	NA	M.E.	Anna University	Communication Systems	22/08/2016	9.6	Assistant Professor	Assistant Professor		Regular	Yes		No
52	Ms.K.Nithya	XXXXXXX94R	NA	M.E.	Anna University	VLSI Design	03/06/2019	6.9	Assistant Professor	Assistant Professor		Regular	Yes		No
53	Mr.T.Boobalan	XXXXXXX72C	NA	M.E.	Anna University	Embedded System Technologies	06/09/2021	4.6	Assistant Professor	Assistant Professor		Regular	Yes		No
54	Ms.K.Kavitha	XXXXXXX45H	XXXXXXXXX333	M.E.	Anna University	Applied Eletronics	25/07/2022	2.9	Assistant Professor	Assistant Professor		Regular	No	24/05/2025	No
55	Ms.T.Raja Rajesvari	XXXXXXX46R	XXXXXXXXX836	M.E.	Anna University	Communication Systems	05/08/2024	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
56	Dr.N.Aparna	XXXXXXX24J	XXXXXXXXX805	Ph.D	Anna University	Biomedical Image Processing	14/10/2024	0.7	Associate Professor	Associate Professor	14/10/2024	Regular	No	24/05/2025	No
57	Dr.A.SureshBabu	XXXXXXX87Q	NA	Ph.D	Anna University	Applied Electronics	04/08/2008	15.8	Associate Professor	Associate Professor	01/07/2015	Regular	No	30/04/2024	No

58	Dr.D.Baskar	XXXXXXX89N	NA	Ph.D	Anna University	Applied Electronics	25/06/2008	15.10	Associate Professor	Associate Professor	01/07/2015	Regular	No	30/04/2024	No
59	Ms.N.Menakadevi	XXXXXXX83Q	NA	M.E.	Anna University	Communication Systems	01/07/2013	10.10	Assistant Professor	Assistant Professor		Regular	No	30/04/2024	No
60	Ms.N.Saranya	XXXXXXX70E	NA	M.E.	Anna University	Electronics and Communication Engineering	22/06/2015	8.10	Assistant Professor	Assistant Professor		Regular	No	30/04/2024	No
61	Ms.N.Brinda	XXXXXXX30H	NA	M.E.	Anna University	Applied Electronics	22/06/2015	8.10	Assistant Professor	Assistant Professor		Regular	No	30/04/2024	No
62	Ms.S.B.Saritha	XXXXXXX01F	NA	M.E.	Anna University	Communication Systems	04/07/2016	7.9	Assistant Professor	Assistant Professor		Regular	No	30/04/2024	No
63	Ms.T.Nivethitha	XXXXXXX65H	NA	M.E.	Anna University	Applied Electronics	04/06/2018	5.10	Assistant Professor	Assistant Professor		Regular	No	30/04/2024	No
64	Ms.O.Revathy	XXXXXXX29L	NA	M.E.	Anna University	Applied Electronics	04/06/2018	5.10	Assistant Professor	Assistant Professor		Regular	No	30/04/2024	No
65	Mr.A.Shan	XXXXXXX85G	NA	M.E.	Anna University	Communication Systems	02/07/2018	5.9	Assistant Professor	Assistant Professor		Regular	No	30/04/2024	No
66	Ms.J.Santhiya Christie	XXXXXXX92C	NA	M.E.	ANNA UNIVERSITY	Communication Systems	03/07/2023	0.9	Assistant Professor	Assistant Professor		Regular	No	30/04/2024	No
67	Dr.K.Kalaiselvi	XXXXXXX63A	XXXXXXXXX626	Ph.D	Anna University	VLSI Design	03/12/2003	22.3	Assistant Professor	Professor	05/01/2015	Regular	Yes		No
68	Dr.P.Geetha	XXXXXXX96D	XXXXXXXXX664	Ph.D	Anna University	Communication Systems	27/08/2003	22.6	Assistant Professor	Associate Professor	05/01/2010	Regular	Yes		No
69	Ms.S.Karpakam	XXXXXXX36H	XXXXXXXXX973	M.E.	Anna University	Applied Electronics	01/07/2023	2.8	Assistant Professor	Assistant Professor		Regular	Yes		No
70	Dr.R.Sabitha	XXXXXXX36G	NA	Ph.D	Anna University	Communication Systems	04/01/2017	8.4	Professor	Professor	04/01/2017	Regular	No	24/05/2025	No
71	Dr. K.Siva	XXXXXXX49N	XXXXXXXXX983	Ph.D	Anna University	Welding	01/06/2012	13.9	Professor	Professor	01/06/2012	Regular	Yes		No
72	Dr. M. Mohanraj	XXXXXXX34A	NA	Ph.D	NIT-Calicut	Refrigeration and Air Conditioning	03/07/2013	12.8	Professor	Professor	03/07/2013	Regular	Yes		No
73	Dr. P. Jeyalakshmi	XXXXXXX00J	XXXXXXXXX661	Ph.D	Anna University	Internal Combustion Engineering	23/06/2004	21.8	Assistant Professor	Professor	22/01/2018	Regular	Yes		No
74	Dr. S. Kannan	XXXXXXX02A	XXXXXXXXX670	Ph.D	Anna University	CAD/CAM	18/05/2006	19.9	Assistant Professor	Professor	01/06/2022	Regular	Yes		No
75	Dr. S. Ragunath	XXXXXXX14F	XXXXXXXXX224	Ph.D	Anna University	Materials	09/07/2025	0.7	Professor	Professor	09/07/2025	Regular	Yes		No
76	Dr.C.Nithyanandam	XXXXXXX45Q	XXXXXXXXX213	Ph.D	Anna University	Industrial Engineering	08/01/2008	18.2	Assistant Professor	Associate Professor	01/11/2018	Regular	Yes		No
77	Dr. Y. Ras Mathew	XXXXXXX09M	XXXXXXXXX568	Ph.D	Anna University	Materials	01/07/2009	16.8	Assistant Professor	Associate Professor	12/11/2020	Regular	Yes		No
78	Dr. V. Senthil Murugan	XXXXXXX36B	XXXXXXXXX305	Ph.D	Anna University	Energy engineering	27/06/2013	12.8	Assistant Professor	Associate Professor	26/03/2021	Regular	Yes		No

79	Dr. K. R. Sakthivel	XXXXXXX78N	XXXXXXXXX961	Ph.D	Anna University	Manufacturing Engineering	25/06/2012	13.8	Assistant Professor	Associate Professor	25/03/2021	Regular	Yes		No
80	Mr.N.Prasanna Venkatesan	XXXXXXX25C	XXXXXXXXX872	M.E.	Anna University	Welding Technology	10/07/2009	16.7	Assistant Professor	Assistant Professor		Regular	Yes		No
81	Mr. S. Sivakumar	XXXXXXX54L	XXXXXXXXX511	M.E.	Anna University	Engineering Design	23/09/2009	16.5	Assistant Professor	Assistant Professor		Regular	Yes		No
82	Mr. Alagar S	XXXXXXX89F	XXXXXXXXX916	M.E.	Anna University	Design & Manufacturing	15/06/2011	14.9	Assistant Professor	Assistant Professor		Regular	Yes		No
83	Mr. K.Rameshkumar	XXXXXXX64L	XXXXXXXXX457	M.E.	Karpagam Deemed University	Manufacturing Engineering	24/06/2013	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
84	Mr. A.Sasikumar	XXXXXXX46L	XXXXXXXXX137	M.E.	Anna University	Engineering Design	25/06/2014	11.8	Assistant Professor	Assistant Professor		Regular	Yes		No
85	Dr. L.Karthick	XXXXXXX19N	XXXXXXXXX675	Ph.D	Anna University	Design & Heat Pump	01/07/2015	10.8	Assistant Professor	Assistant Professor		Regular	Yes		No
86	Mr. D.Prabhu	XXXXXXX22R	XXXXXXXXX748	M.E.	Anna University	CAD/CAM	01/07/2016	9.8	Assistant Professor	Assistant Professor		Regular	Yes		No
87	Mr. S. Ram Kumar	XXXXXXX89N	XXXXXXXXX497	M.E.	Anna University	Thermal Engineering	04/06/2018	7.9	Assistant Professor	Assistant Professor		Regular	Yes		No
88	Mr. J.Dineshkumar	XXXXXXX94N	XXXXXXXXX532	M.E.	Anna University	CAD/CAM	24/06/2013	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
89	Mr.S.Premkumar	XXXXXXX53M	XXXXXXXXX326	M.E.	Anna University	CAD/CAM	25/06/2014	11.8	Assistant Professor	Assistant Professor		Regular	Yes		No
90	Mr.S.Karthik	XXXXXXX89K	XXXXXXXXX968	M.E.	Anna University	CAD/CAM	01/07/2015	10.8	Assistant Professor	Assistant Professor		Regular	Yes		No
91	Mr. E. Anandprabhakaran	XXXXXXX75C	XXXXXXXXX789	M.E.	Anna University	CAD/CAM	17/08/2020	5.6	Assistant Professor	Assistant Professor		Regular	Yes		No
92	Dr. D. Amalraju	XXXXXXX37P	XXXXXXXXX836	Ph.D	Anna University	Materials	26/06/2013	12.8	Associate Professor	Associate Professor	01/07/2016	Regular	Yes		No
93	Mr. K. Vignesh	XXXXXXX06P	XXXXXXXXX896	M.E.	Anna University	Manufacturing Engineering	01/06/2024	1.9	Assistant Professor	Assistant Professor		Regular	Yes		No
94	P.Ravikumar	XXXXXXX56C	NA	M.E.	Anna University	Engineering Design	01/06/2021	4.9	Assistant Professor	Assistant Professor		Regular	Yes		No
95	T.Sathiskumar	XXXXXXX57B	NA	M.E.	Anna University	Engineering Design	01/06/2021	4.9	Assistant Professor	Assistant Professor		Regular	Yes		No
96	Dr. K Sriharrish	XXXXXXX51G	NA	Ph.D	Anna University	Manufacturing Engineering	11/07/2017	8.3	Assistant Professor	Assistant Professor		Regular	No	31/10/2025	No
97	Mr. A.Nazeer Ahamed	XXXXXXX08R	NA	M.E.	Anna University	Industrial Engineering	13/07/2011	14.8	Assistant Professor	Assistant Professor		Regular	Yes		No
98	Mr. K.Sivakumar	XXXXXXX84A	NA	M.E.	Anna University	Thermal Engineering	02/07/2012	13.8	Assistant Professor	Assistant Professor		Regular	Yes		No
99	Mr. P. Meenakshi Sundaram	XXXXXXX08Q	NA	M.E.	Anna University	Engineering Design	02/07/2020	5.8	Assistant Professor	Assistant Professor		Regular	Yes		No
100	Mr. K. Maharaja	XXXXXXX56K	NA	M.E.	Anna University	Engineering Design	05/07/2018	5.10	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No

101	Mr. G. P. Arun Bhabu	XXXXXXX33N	NA	M.E.	Anna University	Product Design and Development	23/06/2014	9.11	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
102	Mr. P. John Britto	XXXXXXX07H	NA	M.E.	Anna University	Product Design and Development	27/07/2017	6.10	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
103	Mr. K. Prabhu Deva	XXXXXXX54E	NA	M.E.	Anna University	CAD/CAM	01/07/2020	3.11	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
104	Mr. M. Dinesh Kannan	XXXXXXX39E	NA	M.E.	Anna University	Engineering Design	01/07/2020	3.11	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
105	P.K.Rajan	XXXXXXX59Q	NA	M.E.	Anna University	Manufacturing Engineering	01/06/2021	3	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
106	S.Muhammed Meeran	XXXXXXX37R	NA	M.E.	Anna University	Engineering Design	01/06/2021	3	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
107	Dr.M.Selvam	XXXXXXX99Q	NA	Ph.D	Anna University	Mechanical Engineering	01/06/2021	3	Associate Professor	Associate Professor	01/06/2021	Regular	No	31/05/2024	No
108	Dr.V.Navaneethakrishnan	XXXXXXX62H	NA	Ph.D	Anna University	Mechanical Engineering	01/06/2021	3	Associate Professor	Associate Professor	01/06/2021	Regular	No	31/05/2024	No
109	Dr. J Manikandan	XXXXXXX47A	XXXXXXXXX709	Ph.D	Anna University	Computational Fluid Dynamics	01/07/2009	16.8	Assistant Professor	Professor	23/01/2018	Regular	Yes		No
110	Mr. C A Jagadish	XXXXXXX68K	XXXXXXXXX425	M.E.	Anna University	CAD/CAM	13/09/2010	15.5	Assistant Professor	Assistant Professor		Regular	Yes		No
111	R.Dinek	XXXXXXX16D	NA	M.E.	Anna University	CAD/CAM	01/06/2023	1	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No

C2. Student-Faculty Ratio (SFR)

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

No. of UG Programs in the Department1 No. of PG Programs in the Department3

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	132	128	131
UG1.C	128	131	132
UG1.D	131	132	132

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1: Mechatronics Engineering	**391**	**391**	**395**
UG2.B	130	132	127
UG2.C	132	127	131
UG2.D	127	131	198
UG2: Electronics & Communication Engineering	**389**	**390**	**456**
UG3.B	131	132	132
UG3.C	132	132	132
UG3.D	132	132	198
UG3: Mechanical Engineering	**395**	**396**	**462**
UG4.B	32	32	33
UG4.C	32	33	32
UG4.D	33	32	66
UG4: Electronics & Instrumentation Engineering	**97**	**97**	**131**
UG5.B	66	66	66
UG5.C	66	66	66
UG5.D	66	66	66
UG5: Automobile Engineering	**198**	**198**	**198**
DS=Total no. of students in all UG and PG programs in the Department	391	391	395
AS=Total no. of students of all UG and PG programs in allied departments	1133	1135	1301
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 1524	**S2=** 1526	**S3=** 1696
DF=Total no. of faculty members in the Department	26	25	25
AF= Total no. of faculty members in the allied Departments	80	80	95
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 106	**F2=** 105	**F3=** 120
FF=The faculty members in F who have a 100% teaching load in the first-year courses	7	7	6
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 15.39**	**SFR2= 15.57**	**SFR3= 14.88**
Average SFR for 3 years	**SFR= 15.28**		

C3. Faculty Qualification

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

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = 2.5 x [(10X + 4Y) / RF)]
2025-26(CAY)	40	66	76.00	21.84
2024-25(CAYm1)	37	68	76.00	21.12
2023-24(CAYm2)	39	81	84.00	21.25

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	8.00	16.00	17.00	18.00	51.00	72.00
2024-25	8.00	16.00	17.00	17.00	51.00	72.00
2023-24	9.00	15.00	19.00	20.00	57.00	85.00
Average	RF1=8.33	AF1=15.67	RF2=17.67	AF2=18.33	RF2=53.00	AF2=76.33

C5. Visiting/Adjunct Faculty/Professor of Practice

Table No. C5.1: List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.P.K.Sivakumar	Regional training manager	Eicher Motors Limited	Manufacturing Process	30.00
2	Mr.P.K.Sivakumar	Regional training manager	Eicher Motors Limited	Hybrid Vehicles	30.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.P.K.Sivakumar	Regional training manager	Eicher Motors Limited	Manufacturing Process	30.00
2	Mr.P.K.Sivakumar	Regional training manager	Eicher Motors Limited	Hybrid Vehicles	30.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.P.K.Sivakumar	Regional training manager	Eicher Motors Limited	Manufacturing Process	30.00
2	Mr.P.K.Sivakumar	Regional training manager	Eicher Motors Limited	Manufacturing Process	30.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	23	7	7
2	No. of peer reviewed conference papers published	2	5	5
3	No. of books/book chapters published	6	1	0

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Jaya J	-	Mechatronics Engineering	-	Department of Science and Technology	5 Years	40.00
						Amount received (Rs.):40.00

(CAYm2)

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 40.00

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.M.Arunkumar	Mr.S.Manojkumar	Department of Mechatronics Engineering	Development of Air-Cooled and PCM-Based Thermal Management System for Electric Motorcycle Batteries	Emote Electric	6 Months	3.40
Dr.M.M.Jegan	Mr.K.Guruvaran	Department of Mechatronics Engineering	Electric Vehicle and Smart Automation Solutions	Sri Vedhameenal Enterprises	5 Months	3.20
Dr.T.Vandarkulzhi	Dr.Vasanth	Department of Mechatronics Engineering	AI Based Predictive Maintenance Inspection Robot for Industrial application	Digischi corporation	6 Months	3.10
						Amount received (Rs.):9.70

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr.P.Naveenkumar	Mr.T.Prabhu	Department of Mechatronics Engineering	Design and Development of an Ultrasonic Welding Machine for Soldering Electrical Cables and Wires	M/s.Popular Systems Pvt Ltd,Coimbatore.	4 Months	2.70
						Amount received (Rs.):2.70

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr.K.Kesavaraj	Mr.M.Kumaresan	Department of Mechatronics Engineering	Beach cleaning robot	Entudio pvt limited	5 Months	3.10
Dr.Pradeep Johnson	Mr.G.Thilak	Department of Mechatronics Engineering	Conveyor speed and loading density optimization	JAY COATS	6 Months	3.15
						Amount received (Rs.):6.25

Total amount (Lacs) received for the past 3 years: 18.65

Note*:

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

C9. Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr.P.T.Saravanakumar, Ms.K.Kiruthika	Design and Development of Smart Pharmacy Dispensing System	1 year	195000.00	195000.00	Built a Prototype Machine
			Amount received (Rs.): 195000.00		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
			Amount received (Rs.): 0		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
			Amount received (Rs.): 0		

Total amount (Lacs) received for the past 3 years : 195000.00

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

D1. Adequate and Well-Equipped Laboratories, and Technical Manpower

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

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Industrial Motor Control Laboratory	30	Jogging in Cage Motor	12	Mr. K.Aravindhan	Lab Technician	DIPLOMA EEE
2	Industrial Motor Control Laboratory	30	Semi-Automatic Star-Delta Starter	12	Mr. K.Aravindhan	Lab Technician	DIPLOMA EEE
3	Industrial Motor Control Laboratory	30	Single Phase Preventer	12	Mr. K.Aravindhan	Lab Technician	DIPLOMA EEE
4	Industrial Motor Control Laboratory	30	DOL Starter	12	Mr. K.Aravindhan	Lab Technician	DIPLOMA EEE
5	Industrial Motor Control Laboratory	30	Control Circuit for Forward and Reverse Operations	12	Mr. K.Aravindhan	Lab Technician	DIPLOMA EEE
6	Industrial Motor Control Laboratory	30	Single Phase Transformer.	12	Mr. K.Aravindhan	Lab Technician	DIPLOMA EEE
7	Industrial Motor Control Laboratory	30	Three Phase Induction Motor.	12	Mr. K.Aravindhan	Lab Technician	DIPLOMA EEE

8	Industrial Motor Control Laboratory	30	Digital Trainer Kit	12	Mr. K.Aravindhan	Lab Technician	DIPLOMA EEE
9	Solid and Fluid Mechanics Laboratory	30	Universal Tensile Testing machine with double shear attachment	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH
10	Solid and Fluid Mechanics Laboratory	30	Torsion Testing Machine	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH
11	Solid and Fluid Mechanics Laboratory	30	Impact Testing Machine	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH
12	Solid and Fluid Mechanics Laboratory	30	Brinell Hardness Testing Machine	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH
13	Solid and Fluid Mechanics Laboratory	30	Rockwell Hardness Testing Machine	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH
14	Solid and Fluid Mechanics Laboratory	30	Spring Testing Machine	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH
15	Solid and Fluid Mechanics Laboratory	30	Deflection Test on Beams setup	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH
16	Solid and Fluid Mechanics Laboratory	30	Metallurgical Microscopes	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH
17	Solid and Fluid Mechanics Laboratory	30	Venturimeter setup	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH
18	Solid and Fluid Mechanics Laboratory	30	Pipe flow analysis setup	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH
19	Solid and Fluid Mechanics Laboratory	30	Centrifugal pump setup	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH
20	Solid and Fluid Mechanics Laboratory	30	Pelton turbine setup	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH
21	Solid and Fluid Mechanics Laboratory	30	Kaplan Turbine setup	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH
22	Simulation and Analysis Laboratory	30	Standalone desktops	12	Mr.D. Premkumar	Lab Technician	B.E ECE
23	Simulation and Analysis Laboratory	30	Software (solid works, Ansys)	12	Mr.D. Premkumar	Lab Technician	B.E ECE
24	Robotics Laboratory	30	Stepper Motor Robotic Trainer Kit 5axis With Gripper VRT 502 With 10 User Programming Software	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH
25	Robotics Laboratory	30	Monitor Lenova	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH
26	Robotics Laboratory	30	Desktop PC Lenova	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH

27	Robotics Laboratory	30	MSC Adams Software	12	Mr.C.M Parthasarahy	Lab Technician	DIPLOMA MECH
28	Processor and Controller Laboratory	30	8085 Microprocessor trainer kit	12	Mr. K.Aravindhan	Lab Technician	DIPLOMA EEE
29	Processor and Controller Laboratory	30	ADC interface card	12	Mr. K.Aravindhan	Lab Technician	DIPLOMA EEE
30	Processor and Controller Laboratory	30	DAC interface card	12	Mr. K.Aravindhan	Lab Technician	DIPLOMA EEE
31	Processor and Controller Laboratory	30	Stepper motor interfacing card with stepper motor	12	Mr. K.Aravindhan	Lab Technician	DIPLOMA EEE
32	Processor and Controller Laboratory	30	8051 Microcontroller trainer kit	12	Mr. K.Aravindhan	Lab Technician	DIPLOMA EEE
33	Processor and Controller Laboratory	30	ARM Processor trainer Kit	12	Mr. K.Aravindhan	Lab Technician	DIPLOMA EEE
34	CAD Laboratory	30	Standalone 30Desktops	12	Mr.D. Premkumar	Lab Technician	B.E ECE
35	CAD Laboratory	30	Software (AUTOCAD, SOLIDWORKS	12	Mr.D. Premkumar	Lab Technician	B.E ECE
36	CNC Laboratory	30	Standalone desktops	12	Mr.C.M.Parthasarahy	Lab Technician	DIPLOMA MECH
37	CNC Laboratory	30	Software (FANUC)	12	Mr.C.M.Parthasarahy	Lab Technician	DIPLOMA MECH
38	Industrial Automation and Control Laboratory	30	PLC Software 5 License.	12	Mr.C.M.Parthasarahy	Lab Technician	DIPLOMA MECH
39	Industrial Automation and Control Laboratory	30	Programmable Logic Controller	12	Mr.C.M.Parthasarahy	Lab Technician	DIPLOMA MECH
40	Industrial Automation and Control Laboratory	30	Lamp Circuit.	12	Mr.C.M.Parthasarahy	Lab Technician	DIPLOMA MECH
41	Industrial Automation and Control Laboratory	30	Spray painting system	12	Mr.C.M.Parthasarahy	Lab Technician	DIPLOMA MECH
42	Industrial Automation and Control Laboratory	30	Bottle Filling System.	12	Mr.C.M.Parthasarahy	Lab Technician	DIPLOMA MECH
43	Industrial Automation and Control Laboratory	30	Stamping System.	12	Mr.C.M.Parthasarahy	Lab Technician	DIPLOMA MECH
44	Industrial Automation and Control Laboratory	30	Material Handling System	12	Mr.C.M.Parthasarahy	Lab Technician	DIPLOMA MECH
45	Industrial Automation and Control Laboratory	30	Lift Elevator Control	12	Mr.C.M.Parthasarahy	Lab Technician	DIPLOMA MECH

46	Industrial Automation and Control Laboratory	30	Traffic Light Control	12	Mr.C.M.Parthasarahy	Lab Technician	DIPLOMA MECH
47	Industrial Automation and Control Laboratory	30	Water Level Control of Two Different Water Tanks	12	Mr.C.M.Parthasarahy	Lab Technician	DIPLOMA MECH
48	Industrial Automation and Control Laboratory	30	SCADA Software 1 License.	12	Mr.C.M.Parthasarahy	Lab Technician	DIPLOMA MECH
49	Industrial Automation and Control Laboratory	30	Speed Control of DC motors.	12	Mr.C.M.Parthasarahy	Lab Technician	DIPLOMA MECH

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Industrial Motor Control Laboratory	◘ Insulated flooring and shock-proof workstations ◘ Circuit breakers and surge protectors for electrical safety. ◘ Regular testing of earth connections. ◘ Proper handling of motors and rotating equipment. ◘ Emergency power cutoff switches provided
2	Fluid Power Laboratory	◘ Fire extinguishers near workstations. ◘ Clear labeling of hydraulic and pneumatic lines. ◘ Training on safe handling of pressure systems. ◘ Regular inspection of hoses and valves for leakage. ◘ Avoid operating systems beyond recommended pressure limits.
3	Robotics Laboratory/CNC	◘ Isolation transformers for safe circuit testing. ◘ Availability of insulated tools and equipment. ◘ Display of component handling guidelines. ◘ Maintain safe distance from moving robotic arms during operation. ◘ Ensure emergency stop switches are functional
4	Assembly Programming and Interfacing Laboratory	◘ Isolation transformers for interfacing experiments. ◘ Proper grounding for microprocessor and microcontroller kits. ◘ Safe handling of interfacing cards and peripherals. ◘ Display of pin configuration and safety instructions. ◘ Use anti-static precautions while handling ICs
5	Computer Aided Drafting Laboratory/ Simulation And Analysis Laboratory	◘ Ensure proper ventilation and lighting in the laboratory. ◘ Maintain systems with proper earthling and UPS facility. ◘ Avoid loose electrical connections and overloaded plug points. ◘ Keep workstations clean and cables properly arranged. ◘ Follow safe operating procedures while using CAD software and systems
6	Industrial Automation and Control Laboratory	◘ PLC trainer kits operated under supervision. ◘ Emergency power cutoff switches provided. ◘ Proper insulation for all control panels and wiring. ◘ Safe handling of sensors and actuators. ◘ Regular maintenance of automation equipment.
7	Sensors and Signal Conditioning Laboratory	◘ Proper earthing of equipment and trainer kits ◘ Use insulated tools while testing circuits. ◘ Avoid overvoltage during signal measurements. ◘ Safe handling of sensitive sensor components. ◘ Maintain clean and dust-free workstations
8	Project Fabrication Cell	◘ Wear PPE kits such as gloves, aprons, and safety goggles. ◘ Fire extinguishers and first aid boxes kept accessible. ◘ Proper ventilation during welding and fabrication work. ◘ Safe handling of drilling and welding machines. ◘ Maintain cleanliness and proper storage of tools and materials.

D3. Project Laboratory/Research Laboratory

A. **Availability of project laboratories/research laboratories**

The institution houses advanced Project and Research Laboratories designed to support student innovation, faculty research activities, and industry-oriented collaborations. These laboratories provide practical exposure and encourage research and development in areas such as Embedded Systems, Microprocessor, CAD, PLC and scada, Industrial robotics and Robotics.

Table No. 7.5.1: List of project laboratory/research laboratory /Centre of Excellence.

S.N.	S.N. Name of the Laboratory
1	Product Laboratory
2	Center Of Excellence In Robotics
3	Center Of Excellence In PLC

B. **Availability of Centre of excellence**

The institution has established two Centres of Excellence (CoEs) to strengthen industry–academia collaboration and equip students with practical exposure to emerging technologies.

1. Center of Excellence in Robotics

- Strengthen industry–academia collaboration
- Provide students with hands-on experience in advanced robotic technologies.

2. Center of Excellence in PLC

- Enhancing students' practical knowledge and technical skills in Programmable Logic Controllers through industry-oriented training and hands-on learning.

C. **Utilization of project laboratories/research laboratory /Centre of excellence (05)**

- The **Centre of Excellence in Robotics** is utilized for training students in robotic systems, automation, sensor integration, and embedded applications through practical sessions and mini projects.

- The **Centre of Excellence in PLC** is utilized to develop students' skills in industrial automation, Programmable Logic Controllers (PLC), control systems, and industrial process applications through hands-on practice and industry-oriented training.

- **Product laboratories** are actively used by students for developing academic projects, prototypes, and innovative models aligned with current industry requirements.

- **The research laboratory**

- Supports faculty and student research activities, experimentation, data analysis, and interdisciplinary project work
- Faculty and students collaborate on funded research projects.

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- These facilities also support workshops, technical training programs, internships, and collaborative activities that strengthen industry–academia interaction and improve students' employability skills.

D. **Relevance to POs/PSOs**

The project and research laboratories contribute significantly to the achievement of Program Outcomes (POs) and Program-Specific Outcomes (PSOs).

Table No.7.5.2: Relevance to POs

PSO	Product Laboratory	Robotics	PLC
PO1: Engineering Knowledge	Applies engineering concepts in product development activities	Uses core engineering principles in robotic system design.	Applies control and automation principles in PLC systems.
PO2: Problem Analysis	Identifies and analyzes engineering problems in product design.	Evaluates robotic system behavior and operational issues.	Analyzes industrial automation and control problems.
PO3: Design/Development of Solutions	Develops innovative product-based solutions.	Designs intelligent robotic automation systems.	Develops PLC-based industrial control solutions.
PO4: Investigations of Complex Problems	Tests and validates product performance through experiments.	Investigates real-time robotic system performance.	Investigates industrial process automation systems.
PO5: Modern Tool Usage	Uses simulation and design tools for product development.	Uses robotics kits, sensors, and programming tools.	Uses PLC programming software and industrial tools.
PO6: Engineer & Society	Develops products addressing societal needs.	Designs robots for industrial and societal applications.	Implements automation for societal and industrial benefit
PO7: Environment & Sustainability	Promotes eco-friendly product development.	Develops energy-efficient robotic systems.	Implements efficient industrial automation systems.
PO8: Ethics	Ensures ethical design and product development practices.	Follows ethical standards in automation usage.	Ensures safety and ethical industrial operations.
PO9: Individual & Team Work	Encourages teamwork in product development projects.	Enhances teamwork in robotics-based projects.	Develops teamwork in industrial automation tasks.
PO10: Communication	Improves presentation of product designs and reports.	Supports communication through project demonstrations.	Develops technical reporting and documentation skills.

PO11: Project Management	Supports planning and execution of product-based projects.	Manages robotics project development activities.	Manages automation project workflows effectively.
PO12: Life-Long Learning	Encourages continuous improvement in product innovation.	Updates knowledge in emerging robotics technologies.	Encourages learning in evolving automation systems.

PSOs Mapping:

Table No.7.5.3: Relevance to PSOs

PSO	Product Laboratory	Robotics Laboratory	PLC
Enable graduates to design and develop effective systems for engineering and societal applications by leveraging advanced technologies in Mechatronics Engineering	Provides hands-on experience in designing and implementing engineering projects aligned with real-world applications.	Enables design and development of automated robotic systems for industrial and societal applications.	Facilitates development of industrial automation solutions using PLC for real-time applications.
The graduate will be empowered to take initiative in their profession and pursue lifelong learning to stay at the forefront of advancements in global needs.	Encourages self-learning through project execution and exposure to new technologies.	Enhances exposure to emerging robotics technologies and innovation-driven learning.	Develops professional competence in automation systems and encourages continuous up skilling in PLC technologies.

PART E: First Year faculty and financial Resources

(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) +(NS2*0.2))/RF
2023-24(CAYm2)	1230	62	61	26	87
2024-25(CAYm1)	1290	64	71	35	100
2025-26(CAY)	1440	72	71	37	89

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

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

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	110000000	108804118	100000000	105905724.4	100000000	109939166	110000000	118964822.4
Library	9600000	9288840	9000000	8993601	11500000	11390000	11500000	11305115
Laboratory equipment	23300000	22000407.31	21800000	21365726	18300000	17932180	11500000	11274625
Teaching and non-teaching staff salary	260000000	262430222	260000000	253357508	260000000	252639286	240000000	243340452
Outreach Programs	230000	225516	220000	213488	1350000	1323044	1500000	1400000
R&D	30000000	28588782	16000000	15863897	12500000	12376980	15000000	15110073
Training, Placement and Industry linkage	22000000	22223953	20000000	21633489.58	7000000	6538615	1500000	1506200
SDGs	2600000	2567279	2500000	2483205.1	2000000	1996698.09	800000	774168
Entrepreneurship	800000	800124	650000	667149	475000	483792	110000	113112
Others, specify	72500000	72744688.57	53100000	55254346.35	48500000	50524739.46	49300000	51349951.1
Total	**531030000**	**529673929.88**	**483270000**	**485738134.43**	**461625000**	**465144500.55**	**441210000**	**455138518.5**

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

Table No. E3.1: Budget and actual expenditure incurred at program level.

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Laboratory equipment	410000	402465	325000	305135	100000	92697	30000	25210
Software	225000	205000	500000	442500	600000	531000	90000	85400
SDGs	30000	28550	18000	15250	20000	14320	15000	12324
Support for faculty development	50000	32500	50000	43250	50000	47230	50000	47230
R & D	100000	86890	100000	84564	200000	158112	55000	50319
Industrial Training, Industry expert, Internship	130000	122055	130000	122000	80000	67000	20000	15210
Miscellaneous Expenses*	70000	62000	20000	14560	20000	14390	50000	45046

Total	**1015000**	**939460**	**1143000**	**1027259**	**1070000**	**924749**	**310000**	**280739**