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 SamuelGemsprim M	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.

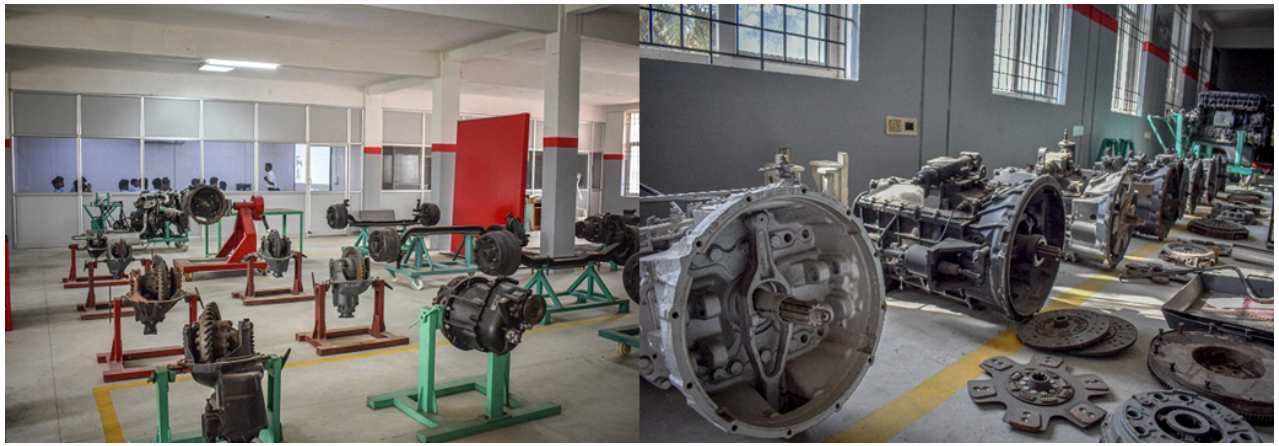
The Eicher – Hindusthan Centre of Excellence facility covers 30,000 Sq.ft huge space under high roof with state of art laboratories and training class rooms. The Laboratories encompasses state of the art equipment to give the basic knowledge as well as advanced knowledge and training to the students. 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

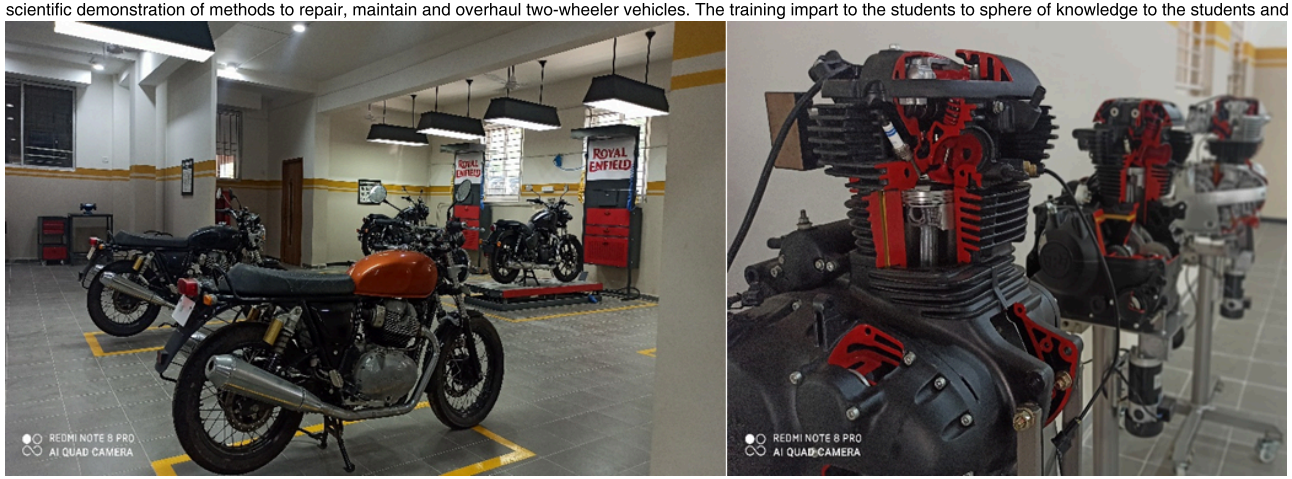
"Royal Enfield Centre of Excellence" first of its kind in Tamil Nadu was established Hindusthan College of Engineering and Technology. The facility is erected in order to provide a sphere of knowledge in two-wheeler technology especially in Royal Enfield for the students. The COE was signed between the 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**