NATIONAL BOARD OF ACCREDITATION

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

Program Name : Mechanical Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 12079	**Date of Submission**: 10-09-2026

PART A- Profile of the Institute

A1.Name of the Institute: SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 1998	Location of the Institute: COIMBATORE
A2. Institute Address:SUGUNAPURAM KUNIAMUTHUR POST	
City:COIMBATORE	State:Tamil Nadu
Pin Code:641008	Website:www.skcet.ac.in
Email:INFO@SKCET.AC.IN	Phone No(with STD Code):0422-2678001
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Anna University, 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: **13**
- 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	Engineering & Technology	PG	Applied Electronics	2011	2026	Electronics and Communication Engineering
2	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Artificial Intelligence and Data Science
3	Engineering & Technology	UG	Civil Engineering	2012	--	Civil Engineering
4	Engineering & Technology	PG	Computer Science & Engineering (Integrated)	2019	--	Computer Science and Engineering
5	Engineering & Technology	UG	Computer Science and Business System	2019	--	Computer Science and Business System
6	Engineering & Technology	UG	Computer Science and Design	2022	2025	Computer Science and Design
7	Engineering & Technology	PG	Computer Science and Engineering	2004	--	Computer Science and Engineering
8	Engineering & Technology	UG	Computer Science and Engineering	1998	--	Computer Science and Engineering

9	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2025	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
10	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2022	--	Computer Science and Engineering (Cyber Security)
11	Engineering & Technology	UG	Computer Science and Engineering (Internet of Things)	2025	2026	Computer Science and Engineering (Internet of Things)
12	Engineering & Technology	UG	Electrical and Electronics Engineering	2001	--	Electrical and Electronics Engineering
13	Engineering & Technology	UG	Electronics & Communication Engineering	1998	--	Electronics and Communication Engineering
14	Engineering & Technology	PG	Engineering Design	2012	2026	Mechanical Engineering
15	Engineering & Technology	UG	Information Technology	1998	--	Information Technology
16	Engineering & Technology	UG	Mechanical Engineering	1998	--	Mechanical Engineering
17	Engineering & Technology	UG	Mechatronics Engineering	2000	--	Mechatronics Engineering
18	Engineering & Technology	PG	Power Systems Engineering	2025	2026	Electrical and Electronics Engineering
19	Engineering & Technology	PG	Structural Engineering	2025	--	Civil Engineering
20	Management	PG	Master of Business Administration	2001	--	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
Mechanical Engineering	Yes	Mechanical 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

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	Mechanical Engineering	UG	1998 / --	60	Yes	2025	198	2025	AICTE - F.No.Southern/1-44641922094/2025/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	5	4

Sanctioned Intake for Last Five Years for the Engineering Design	
Academic Year	**Sanctioned Intake**
2025-26	198
2024-25	138
2023-24	138
2022-23	138
2021-22	120
2020-21	180

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 PROGRA ACCRED
1	Mechatronics Engineering	Mechatronics Engineering	UG	2000 / --	30	Yes	2022	138	2022	AICTE - F.No.Southern/1-10970061785/2022/EOA	Granted accreditation for 3 years for the period (specify period)	2025	2028	3

Sanctioned Intake for Last Five Years for the Mechatronics Engineering	
Academic Year	**Sanctioned Intake**
2025-26	138
2024-25	138
2023-24	138
2022-23	138
2021-22	120
2020-21	120

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

A. Name of the HoD :	Dr Prathap P
B. Nature of appointment:	Regular

C. Qualification:	Ph.D

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	198	138	138	138	120	180	180
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	196	138	132	121	108	153	164
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	14	15	24	24	37	15
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	196	152	147	145	132	190	179

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)	198	196	0	98.99
2024-25 (CAYm1)	138	138	0	100.00
2023-24 (CAYm2)	138	132	0	95.65

Average [(ER1 + ER2 + ER3) / 3] = 98.21≡ 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).	132.00	198.00	195.00
B=No. of students who graduated from the program in the stipulated course duration	113.00	174.00	165.00
Success Rate (SR)= (B/A) * 100	85.61	87.88	84.62

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 86.04

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)	7.47	7.58	7.45
Y=Total no. of successful students	138.00	132.00	121.00
Z=Total no. of students appeared in the examination	138.00	132.00	121.00
API [X*(Y/Z)]	7.47	7.58	7.45

Average API[(AP1+AP2+AP3)/3] : 7.50

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)	7.53	7.50	7.40
Y=Total no. of successful students	147.00	145.00	132.00
Z=Total no. of students appeared in the examination	147.00	145.00	132.00
API [X * (Y/Z)]	7.53	7.50	7.40

Average API [(AP1 + AP2 + AP3)/3] : 7.48

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)	7.59	7.48	8.03
Y=Total no. of successful students	145.00	132.00	190.00
Z=Total no. of students appeared in the examination	145.00	132.00	190.00
API [X*(Y/Z)]:	7.59	7.48	8.03

Average API [(AP1 + AP2 + AP3)/3] : 7.70

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	132.00	198.00	195.00
X=No. of students placed	94.00	153.00	143.00
Y=No. of students admitted to higher studies	11.00	7.00	13.00
Z= No. of students taking up entrepreneurship	5.00	4.00	3.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	83.33	82.83	81.54

Average Placement Index = (P_1 + P_2 + P_3)/3: 82.57 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 Prathap P	XXXXXXX51Q	Ph.D	Anna University	Industrial Engineering	01/07/2025	1	Professor	Professor	01/07/2025	Regular	Yes		Yes
2	Dr.P.Ashoka Varthanan	XXXXXXX64N	Ph.D	Anna University	Industrial Engineering	12/07/2004	22	Lecturer	Professor	01/03/2013	Regular	Yes		No
3	Dr.K.Balasubramanian	XXXXXXX89H	Ph.D	Anna University	Industrial Metallurgy	03/07/2000	25.11	Lecturer	Professor	25/06/2012	Regular	No	10/06/2026	No
4	Mr.N.V.Krishnamoorthy	XXXXXXX41K	M.E.	Bharathiar University	Production Engineering	01/06/1999	27.2	Lecturer	Professor	02/05/2013	Regular	Yes		No
5	Dr.N.Balaji	XXXXXXX04M	Ph.D	Anna University	Industrial Engineering	02/06/2008	18.2	Lecturer	Professor	01/07/2015	Regular	Yes		No
6	Dr.S.Sundararaj	XXXXXXX20H	Ph.D	Anna University	Energy Technology	01/07/2025	1	Professor	Professor	01/07/2025	Regular	Yes		No
7	Dr.R.Ramamoorthi	XXXXXXX51K	Ph.D	Anna University	CAD	02/07/2007	18.11	Lecturer	Professor	01/08/2016	Regular	No	10/06/2026	No
8	Dr.R.B.Jeen Robert	XXXXXXX45E	Ph.D	Anna University	Engineering Design	01/07/2025	1	Professor	Professor	01/07/2025	Regular	Yes		No
9	Dr. V.S.Sreenivasan	XXXXXXX57B	Ph.D	Anna University	Production Engineering	01/07/2025	1	Professor	Professor	01/07/2025	Regular	Yes		No
10	Dr.R.Soundararajan	XXXXXXX83E	Ph.D	Anna University	Manufacturing Technology	13/06/2008	18.1	Lecturer	Professor	03/12/2018	Regular	Yes		No
11	Dr. R. Jeyakumar	XXXXXXX64D	Ph.D	Anna University	Production Engineering	02/06/2008	18.2	Lecturer	Associate Professor	02/05/2013	Regular	Yes		No
12	Dr.C.Rajendran	XXXXXXX23Q	Ph.D	ANNAMALAI UNIVERSITY	Manufacturing Engineering	29/05/2017	9.2	Associate Professor	Associate Professor	29/05/2017	Regular	Yes		No
13	Dr.C.Samson Jerold Samuel	XXXXXXX84N	Ph.D	Anna University	Manufacturing Engineering	27/05/2011	15.2	Assistant Professor	Associate Professor	02/09/2013	Regular	Yes		No
14	Dr.S.Raja	XXXXXXX78B	Ph.D	Anna University	Engineering Design	01/06/2011	15.2	Assistant Professor	Associate Professor	02/09/2013	Regular	Yes		No
15	Dr.A.Rajesh	XXXXXXX93N	Ph.D	Anna University	Industrial Engineering	21/09/2012	13.10	Assistant Professor	Associate Professor	02/05/2013	Regular	Yes		No
16	Dr.R.Arunbharathi	XXXXXXX46R	Ph.D	Anna University	COMPUTER INTEGRATED MANUFACTURING	05/09/2011	14.10	Assistant Professor	Associate Professor	03/12/2018	Regular	Yes		No

17	Dr.V.P.Srinivasan	XXXXXXX79K	Ph.D	Anna University	Product Design and Commerce	02/05/2017	9.2	Assistant Professor	Associate Professor	04/06/2020	Regular	Yes		No
18	Dr.M.Vigneshkumar	XXXXXXX11C	Ph.D	Anna University	Manufacturing Engineering	09/07/2012	14	Assistant Professor	Associate Professor	03/12/2018	Regular	Yes		No
19	Dr.K.P.Yuvaraj	XXXXXXX35E	Ph.D	Anna University	CAD/CAM	20/05/2013	13.2	Assistant Professor	Associate Professor	03/12/2018	Regular	Yes		No
20	Dr.S.Karthik	XXXXXXX36D	Ph.D	Anna University	CAD/CAM	20/06/2017	9.1	Assistant Professor	Associate Professor	04/06/2020	Regular	Yes		No
21	Dr.R.Ben Ruben	XXXXXXX09J	Ph.D	NIT Trichy	Lean Manufacturing	11/06/2018	8.1	Assistant Professor	Associate Professor	02/05/2022	Regular	Yes		No
22	Dr. S.M.Vinukumar	XXXXXXX23H	Ph.D	Anna University	Manufacturing Technology	01/07/2025	1	Associate Professor	Associate Professor	01/07/2025	Regular	Yes		No
23	Dr.A.Sathishkumar	XXXXXXX94P	Ph.D	Anna University	CAD/CAM	08/06/2018	8.1	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Dr.T.Nithyanandhan	XXXXXXX18D	Ph.D	Anna University	Engineering Design	01/07/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Dr.M.Rajeswaran	XXXXXXX00H	Ph.D	Anna University	CAD/CAM	01/07/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No
26	Dr.S.Arivazhagan	XXXXXXX59G	Ph.D	Anna University	Heat Power Engineering	01/07/2025	1.1	Assistant Professor	Assistant Professor		Regular	Yes		No
27	Dr.F.Paul Gregory	XXXXXXX86L	Ph.D	Anna University	Energy Engineering	01/07/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No
28	Mr.N.Babu	XXXXXXX18B	M.E.	Anna University	CAD/CAM	03/06/2013	13.2	Assistant Professor	Assistant Professor		Regular	Yes		No
29	Mr.R.Arun Kumar	XXXXXXX01Q	M.E.	Anna University	Engineering Design	03/06/2013	13	Assistant Professor	Assistant Professor		Regular	No	10/06/2026	No
30	Mr.S.Balu Mahandiran	XXXXXXX72M	M.E.	Anna University	Manufacturing Engineering	01/07/2013	13.1	Assistant Professor	Assistant Professor		Regular	Yes		No
31	Mr.J.Baskaran	XXXXXXX10L	M.E.	Anna University	Manufacturing Engineering	02/06/2014	12.2	Assistant Professor	Assistant Professor		Regular	Yes		No
32	Mr.R.Siva Subramanian	XXXXXXX78Q	M.E.	Anna University	Thermal Engineering	04/06/2015	11.2	Assistant Professor	Assistant Professor		Regular	Yes		No
33	Mr.N.Ramachandran	XXXXXXX13A	M.E.	Anna University	Engineering Design	22/06/2016	10.1	Assistant Professor	Assistant Professor		Regular	Yes		No
34	Mr.J.Dhiyaneswaran	XXXXXXX06L	M.E.	Anna University	Engineering Design	05/06/2017	9.1	Assistant Professor	Assistant Professor		Regular	Yes		No
35	Mr.N.Aravindkumar	XXXXXXX79D	M.E.	Anna University	Engineering Design	01/07/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No
36	Mr.K.Mohan	XXXXXXX35C	M.E.	Anna University	Thermal Engineering	01/07/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No

37	Mr K Senthil kumar	XXXXXXX55L	M.E.	Anna University	Thermal Engineering (With specialization in Refrigeration and Air conditioning)	01/07/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No
38	Mr.N.Gunasekaran	XXXXXXX05N	M.E.	Anna University	Manufacturing Engineering	04/06/2018	8.1	Assistant Professor	Assistant Professor		Regular	Yes		No
39	Dr.R.B.Manoram	XXXXXXX28G	Ph.D	Anna University	Engineering Design	22/06/2015	9.2	Assistant Professor	Assistant Professor		Regular	No	30/08/2024	No
40	Mr.P.Raghuvaran	XXXXXXX27A	M.E.	Anna University	Engineering Design	02/06/2014	10.3	Assistant Professor	Assistant Professor		Regular	No	30/08/2024	No
41	Mr M Vinosh	XXXXXXX33C	M.E.	Anna University	Engineering Design	12/06/2017	7.2	Assistant Professor	Assistant Professor		Regular	No	30/08/2024	No
42	Mr. Arun Kurien Reji	XXXXXXX77J	M.Tech	Karunya University	Thermal Engineering	14/06/2016	7.11	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
43	Mr. S. Ranjith Kumar	XXXXXXX19Q	M.E.	Anna University	Engineering Design	30/06/2016	7.11	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
44	Dr.S.Balamurugan	XXXXXXX17C	Ph.D	Anna University	Heat Power Engineering	05/05/2017	8	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	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. M. Lydia	XXXXXXX55E	XXXXXXXXX531	Ph.D	Karunya University	Electrical & Electronics Engineering	01/06/2020	6.2	Professor	Professor	01/06/2020	Regular	Yes		Yes
2	Dr.D.Pritima	XXXXXXX25C	XXXXXXXXX303	Ph.D	Anna University	Mechanical Engineering	09/07/2020	6	Professor	Professor	09/07/2020	Regular	Yes		No
3	Dr.V.Narasimharaj	XXXXXXX52L	XXXXXXXXX231	Ph.D	Anna University	Mechanical Engineering	20/01/2021	5.7	Associate Professor	Associate Professor	20/01/2021	Regular	Yes		No
4	Dr.R.Gopinathan	XXXXXXX47J	XXXXXXXXX635	Ph.D	Anna University	Mechanical Engineering	27/05/2020	6.2	Associate Professor	Associate Professor	27/05/2020	Regular	Yes		No
5	Dr.G.Veerappan	XXXXXXX61Q	XXXXXXXXX542	Ph.D	Anna University	Mechanical Engineering	11/08/2021	4.11	Associate Professor	Associate Professor	11/08/2021	Regular	Yes		No
6	Dr.S.Balasubramani	XXXXXXX85Q	XXXXXXXXX622	Ph.D	Anna University	Mechanical Engineering	16/09/2021	4.10	Associate Professor	Associate Professor	16/09/2021	Regular	Yes		No

7	Dr.J Indirapriyadharshini	XXXXXXX97P	XXXXXXXXX525	Ph.D	Anna University	Information and Communication Engineering	06/06/2018	8.1	Associate Professor	Associate Professor	06/06/2018	Regular	Yes		No
8	Dr.K. Ananthi	XXXXXXX85A	XXXXXXXXX387	Ph.D	Anna University	Electrical &Electronics Engineering	23/01/2015	11.6	Assistant Professor	Associate Professor	01/06/2018	Regular	Yes		No
9	Dr.L.Feroz Ali	XXXXXXX19K	XXXXXXXXX590	Ph.D	Anna University	Mechanical Engineering	01/06/2018	8.2	Associate Professor	Associate Professor	01/06/2018	Regular	Yes		No
10	Dr. R. Manikandan	XXXXXXX92H	XXXXXXXXX087	Ph.D	Anna University	Mechanical Engineering	17/06/2021	5.1	Associate Professor	Associate Professor	17/06/2021	Regular	Yes		No
11	Dr. N. Mithran	XXXXXXX70J	XXXXXXXXX497	Ph.D	SASTRA University	Mechanical Engineering	20/01/2015	11.6	Assistant Professor	Associate Professor	10/06/2021	Regular	Yes		No
12	Dr. J. Justin Maria Hillary	XXXXXXX15D	XXXXXXXXX779	Ph.D	Anna University	Mechanical Engineering	03/01/2022	4.6	Associate Professor	Associate Professor	03/01/2022	Regular	Yes		No
13	Dr M Bhuvaneswari	XXXXXXX95L	XXXXXXXXX202	Ph.D	Anna University	Information and Communication Engineering	11/09/2013	12.10	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Dr.S.Dinesh	XXXXXXX40Q	XXXXXXXXX342	Ph.D	Anna University	Mechanical Engineering	01/08/2023	3	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Dr. S. Madhankumar	XXXXXXX20Q	XXXXXXXXX485	Ph.D	Anna University	Mechanical Engineering	02/06/2017	9	Assistant Professor	Assistant Professor		Regular	No	11/06/2026	No
16	Dr.S.Raja	XXXXXXX48Q	XXXXXXXXX903	Ph.D	Anna University	Mechanical Engineering	11/06/2025	0.11	Associate Professor	Associate Professor	11/06/2025	Regular	No	30/05/2026	No
17	Ms. S. Kannaki	XXXXXXX22Q	XXXXXXXXX431	M.E.	Anna University	Power Electronics and Drives	05/06/2014	12.2	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Ms.S.Nithya Priya	XXXXXXX10J	XXXXXXXXX445	M.E.	Anna University	Power Electronics and Drives	01/06/2012	14.2	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Mr. P. Sathish Kumar	XXXXXXX80L	XXXXXXXXX002	M.E.	Anna University	CAD/CAM	02/06/2014	12.2	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Mr. M. Aravind	XXXXXXX73J	XXXXXXXXX080	M.E.	Anna University	Manufacturing	23/06/2014	12.1	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Ms.R.Priyadharshini	XXXXXXX74Q	XXXXXXXXX150	M.E.	Anna University	Process Control and Instrumentation	22/06/2015	11.1	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Mr.S.Panneerselvam	XXXXXXX83P	XXXXXXXXX272	M.E.	Anna University	Engineering Design	01/06/2015	11	Assistant Professor	Assistant Professor		Regular	No	11/06/2026	No
23	Mr.M.Vigneshwaran	XXXXXXX11J	XXXXXXXXX050	M.E.	Anna University	CAD/CAM	17/06/2016	10.1	Assistant Professor	Assistant Professor		Regular	Yes		No

24	Mr. S. Logesh	XXXXXXX53E	XXXXXXXXX585	M.E.	Anna University	Product Design and Development	09/06/2022	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Mr T Vignesh	XXXXXXX55P	XXXXXXXXX089	M.E.	Anna University	Mechatronics Engineering	01/06/2017	8	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
26	Dr. T. A. Selvan	XXXXXXX15G	XXXXXXXXX599	Ph.D	Anna University	Mechanical Engineering	06/06/2011	15	Associate Professor	Professor	13/05/2013	Regular	No	11/06/2026	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	151	151	151
UG1.C	151	151	132
UG1.D	151	132	198
UG1: Mechanical Engineering	**453**	**434**	**481**
UG2.B	149	151	151
UG2.C	151	151	132
UG2.D	151	132	132
UG2: Mechatronics Engineering	**451**	**434**	**415**
DS=Total no. of students in all UG and PG programs in the Department	489	470	517
AS=Total no. of students of all UG and PG programs in allied departments	451	434	415
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 940	**S2=** 904	**S3=** 932
DF=Total no. of faculty members in the Department	38	27	32
AF= Total no. of faculty members in the allied Departments	25	25	25
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 63	**F2=** 52	**F3=** 57

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
FF=The faculty members in F who have a 100% teaching load in the first-year courses	2	1	2
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 14.92**	**SFR2= 17.06**	**SFR3= 16.95**
Average SFR for 3 years	**SFR= 16.31**		

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)	43	22	46.00	28.15
2024-25(CAYm1)	35	19	45.00	23.67
2023-24(CAYm2)	32	25	46.00	22.83

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	5.00	12.00	10.00	23.00	31.00	28.00
2024-25	5.00	8.00	10.00	21.00	30.00	23.00
2023-24	5.00	8.00	10.00	21.00	31.00	28.00
Average	RF1=5.00	AF1=9.33	RF2=10.00	AF2=21.67	RF2=30.67	AF2=26.33

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	Dr P Venkataramanan	Senior Consultant - Safety	PVR Safety and Quality Management consultants pvt ltd	21ME702 - Mechatronics	30.00
2	Mr Dhineshkumar S K	Junior Architect -Product development	Bluenett IOT and Cloud Solutions private limited	23CS101 - Problem Solving using C++	30.00
3	Dr P Venkataramanan	Senior Consultant - Safety	PVR Safety and Quality Management consultants pvt ltd	22ME601 -Design of Transmission Systems	30.00
4	Mr Dhineshkumar S K	Junior Architect -Product development	Bluenett IOT and Cloud Solutions private limited	23CD201- Database management Systems	30.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr J Abdullah	Chief Technical Officer	CADD Solutions	20ME702 MECHATRONICS (WITH LAB)	45.00
2	Mr J Abdullah	Chief Technical Officer	CADD Solutions	21ME602 Computational Mechanics	25.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr J Abdullah	Chief Technical Officer	CADD Solutions	20ME501 - DESIGN OF MACHINE ELEMENTS	15.00
2	Mr J Abdullah	Chief Technical Officer	CADD Solutions	20ME602 - COMPUTATIONAL MECHANICS	45.00

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	52	41	31
2	No. of peer reviewed conference papers published	30	20	32
3	No. of books/book chapters published	28	11	8

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. R Soundararajan	Dr.P.Asokavarthanan Mr.Babu	Mechanical Engineering	Development of Foot Operated Vehicle for Disabled people	DST TIDE	3 Years	9.29
Mr N Ramachandran		Mechanical Engineering	Portable Decoction of (Kashaya) making Machine	AICTE – Yukti	2 Years	2.00
						Amount received (Rs.):11.29

(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 S Raja		Mechanical Engineering	Passive Solar Tracker	Anna University – Nial Thiruvizha	1 Year	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
Dr. P. Ashoka Varthanan	Dr.N.Balaji Dr.Balasubramanian	Mechanical Engineering	Empowering the under privileged communities in Karamadai and Periyanaickenpalayam areas of Coimbatore district through smart technologies augmented with sustainable training	DST SEED	3 Years	20.00
						Amount received (Rs.):20.00

Total Amount (Lacs) Received for the Past 3 Years: 32.29

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 N Balaji		Mechanical Engineering	Automated Chapathi Making Macine	Aegan Ventures India Pvt. Ltd	1 Year	5.32
Mr R Siva Subramanian		Mechanical Engineering	AI Based Play Mat for Kids	NAZAKA Automations LLP	1 Year	8.54
						Amount received (Rs.):13.86

(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 A Rajesh		Mehcanical Engineering	Rotary Dryer cum Storage Unit (for Onions)	Confident Engineering India Pvt. Ltd	1 Year	4.81
						Amount received (Rs.):4.81

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr N Ramachandran		Mechanical Engineering	An Automate Kashaya making Machine	Ministry of Ayush	1 Year	2.98
						Amount received (Rs.):2.98

Total amount (Lacs) received for the past 3 years: 21.65

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 A Sathish Kumar	IOT Based Fire Fighting Robot	1 Year	0.93	1.00	Functional Prototype Developed
Dr R Arunbharathi Dr S Karthik	oT Based Hyacinth Removal Rover	1 Year	1.01	0.94	Functional Prototype Developed
			Amount received (Rs.): 1.94		

(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
Dr S Karthik	Development of Rocker Bogie Based Wheel Chair for Disabled people	1 Year	1.60	1.60	Functional Prototype Developed
Mr N Ramachandran	Technological solutions for disposal of menstrual waste	1 Year	0.49	0.49	Functional Prototype Developed
Mr N Ramachandran	Automatic Drug Dispenser	1 Year	0.49	0.49	Functional Prototype Developed
			Amount received (Rs.): 2.58		

(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 N Ramachandran	Portable Kashaya Making Machine	1 Year	1.00	1.00	Functional Prototype Developed
Mr N Ramachandran	Virtual Laboratory for Science subjects at School levels	1 Year	1.06	1.06	Functional Prototype Developed
			Amount received (Rs.): 2.06		

Total amount (Lacs) received for the past 3 years : 6.58

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	Foundry Smithy Welding and Plumbing laboratory ME-03 (300m2)	3	□ Gas Welding, □ Arc Welding, □ MIG, TIG, □ Plastic injection moulding machine. □ 3D	12	K Selvam	Special Instructor	M.E

2	Special Machines ME-13 (300 m2)	3	□ Universal milling machine, □ Horizontal milling machine, □ Vertical milling machine, □ Drilling	24	R. Jothi Basu	Instructor	B.E
3	Fluid Mechanics and Fluid Machinery Laboratory ME-04 (225m2)	3	□ Orifice meter and venturi meter □ Variable speed centrifugal pump □ Losses in pipes apparatus, □	24	S Prakash	Instructor	B.E
4	Strength of Materials Laboratory ME-05 (300 m2)	3	□ Torsion Testing Machine □ Impact Testing Machine □ Fatigue Testing Machine □ Universal	18	V Naveen Prabhu	Instructor	B.E
5	IC Engine Laboratory ME-10(150 m2)	3	□ Air compressor, □ Single Cylinder 4S Diesel Engine with Electrical Loading, □ Single Cylinder	9	K. Sivakumar	Instructor	ITI
6	Metrology and Instrumentation Laboratory ME-12 (66m2	2	□ Tool makers microscope, Vernier height gauge □ Micrometre, □ Vernier calliper, □ Vernier bevel	9	J Senthil Kumar	Instructor	ITI
7	Instrumentation and Dynamics Laboratory ME-09(150 m2)	2	□ Cam displacement machine, □ Whirling of shaft, □ Motorized gyroscope, □ Governor, □	9	S Nagaraj	Instructor	ITI
8	Thermal and Heat and Mass Transfer Lab ME-11(150 m2	3	□ Forced Convection apparatus □ Natural convection apparatus □ Emissivity apparatus □	9	K. Sivakumar	Instructor	ITI
9	Design Thinking and Idea Lab (250 m2)	4	□ Soldering kit □ wood cutter □ wiring circuit □ 3D printer □ 3D scanner □ Digital multimeter □	24	M Arulraj Prabu	Instructor	B E
10	Computer Centre	1	□ 73 nos. Dell 320 system with RAM -2GB, 250GB HARDDISK □ CNC Train Master, ANSYS-16.2 □	18	V. Naveen Prabhu	Instructor	B.E

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Foundry, smithy, welding, Plumbing laboratory	● Safety gloves are provided for preventing electric shocks ● Goggles and welding shields are provided to prevent radiation that affects the eye. ● Apron is provided to avoid molten spatter spilling on the clothes during welding. ● Fire extinguisher is provided. ● First aid box is provided ● High efficiency cutter is provided to reduce the human effort
2	Special Machines laboratory	● All the activities are monitored by instructor and faculty ● Instructed to wear closed-toed hard shoes ● First aid box Provided ● Instructed to remove any jewellery that might cause hazard ● Fire extinguisher is provided. ● First aid box provided ● Rotating machine parts are guarded
3	Fluid Mechanics and Fluid Machineries laboratory	● Machines operated under the supervision of instructor and faculty. ● Instructed to wear closed-toed hard shoes • Fire extinguisher is provided.
4	Strength of Materials laboratory	● Machines operated under the supervision of instructor and faculty. ● Instructed to wear closed-toed hard shoes ● Fire extinguisher is provided.

5	Internal Combustion Engine Laboratory	● Engine exhaust pipe is well insulated ● Floor and bench space is free of clutter ● Safety instructions are demonstrated before entering the labs ● Fire extinguisher is provided.
6	Metrology and Instrumentation Laboratory	● Safety instructions are demonstrated before entering the labs ● Floor and bench space is free of clutter ● Fire extinguisher is provided.
7	Dynamics and Instrumentation laboratory	● Rotating machine parts are guarded ● Floor and bench space is free of clutter ● Fire extinguisher is provided.
8	Thermal and Heat and Mass Transfer laboratory	● Equipment is well insulated with proper insulating materials ● Provides table for taking readings ● Fire extinguisher is provided. ● First aid box is provided
9	Computer Centre	● Instructed to keep the lab clean and neat at all times ● Instructed to work with individual system ● Fire extinguisher is provided. ● First aid box is provided
10	Design Thinking and Idea laboratory	● Instruct not to allow to wear rings, watches, necklace, and any other loose metallic objects (electric shock hazard) while using electrical or electronic equipment or devices ● No person is permitted to work in the laboratory area alone unless authorized by the faculty.

D3. Project Laboratory/Research Laboratory

List of project laboratory

Sl. No	Name of the project laboratory
1.	Socitey of Automation and Robotics(SAR)
2.	Society of Automobile Engineering (SAE)

Name of the Laboratory: Society of Automation & Robotics (SAR)

Location: C4 Block

Program Outcomes (Pos)	Sustainability Development Goal (SDG)
PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	SDG 4, SDG 9, SDG 12, SDG 13

This Special Fabrication Lab is intended to provide hands-on experience on industrial robotics, manufacturing automation, mobile robotics and IOT. Students are encouraged to work on projects related to IOT, automation and robotics in this lab.

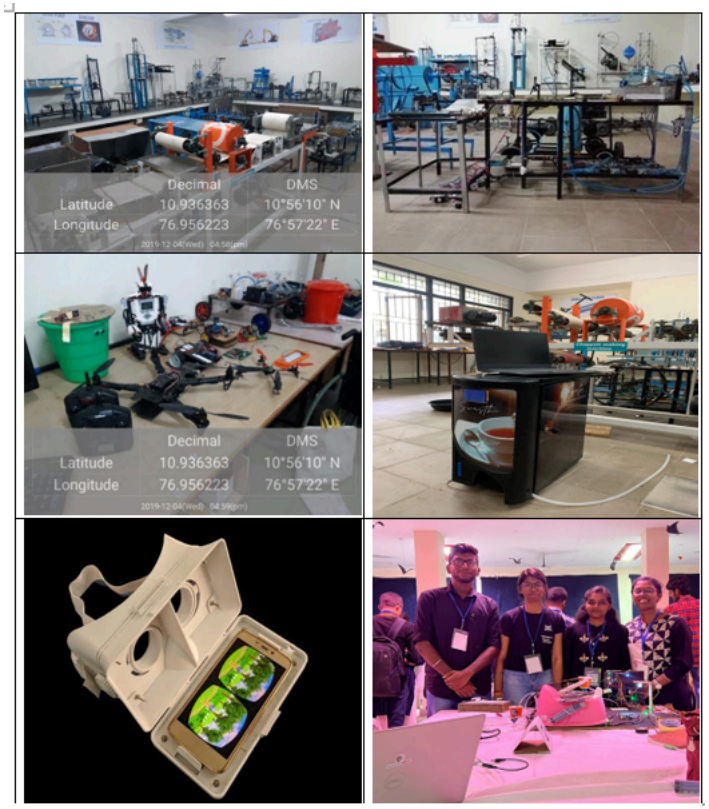
Equipment details

Sl. No	Description	Cost Rs.

1	Air compressor, M/S Frank Technologies,	8,05,940.00
2	Table top pneumatic tutor	
3.	Leogo mind storms FV3 Robot	
4.	Bosch- Hand drilling machine	
5.	Portable cutter- Bosch	
6.	Rilon-Arc welding machine	
7	Bench grinding machine	
8	Air pump	
9.	Shear cutter	
10	Air gun	
11	Manual pipe bending machine	
12	Hydraulic pipe bending machine	
13	Tape wrench, Tap set, Digital and analog vernier caliper	
14	Rivet gun	
15	Weight measuring instruments	
16	Sound level meter	

Key Products Developed:

1. Semi-Automatic chapati Making Machine.
2. Automatic Paper Pouch Making Machine
3. Aditi Tejomay- Solar Bike.
4. Three Wheeled Bike with Tilting Mechanism.
5. Semi-Automatic Lawn Mower.
6. Medical trone
7. Agro Quad Bike.
8. Autonomous Drone.
9. Wall Climbing Robot.
10. Fire Fighting Robot.
11. Virtual Reality (Vr) Based Virtual Yoga Tutor.
12. Blaze – Mobile App.
13. Air Powered Vehicle.
14. Stair Climbing Robot.
15. Multipurpose Machine.
16. Smart Dust Bin- An Efficient Garbage Monitoring System



Name of the Laboratory: Society of Automotive Engineering (SAE)

Location: Mechanical Block

Program Outcomes (Pos)	Sustainability Development Goal (SDG)
PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	SDG 4, SDG 9, SDG 12, SDG 13

The fabrication lab provides the required facilities for students in fabrication formula vehicles, all-terrain vehicle and Karts

Equipment's description:

Sl. No	Description	Cost Rs.
1	Engine Model	5, 68, 900
2	Hydraulic lift	
3	Tools and accessories	

Products Developed:

1. Baja – All terrain vehicle
2. Supra – Formula vehicle
3. Ecokart
4. Gokart
5. Minibike 50 CC
6. Tecknokart (E-bike)
7. Dirt Bike











List of Research laboratory

Sl. No	Name of the research laboratory
1	Research & Development -I (Processing and Fabrication)
2	Research & Development -II (Characterization and Testing)
3	Research & Development -III(Advanced Materials and Manufacturing Process)

Name of the Laboratory: Research & Development -I (Processing and Fabrication)

Location: Mechanical Engineering Block

Program Outcomes (Pos)	Sustainability Development Goal (SDG)
PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	SDG 4, SDG 8, SDG 9, SDG 12, SDG 13

Equipment details

S. No.	Description	Cost Rs.	Total Cost Rs.
1	Squeeze Casting Setup	6,85,659	1,08,01,709
2	Injection Moulding Machine	2,91,000	
3	Induction Furnace	82,000	
4	Flexural Testing Machine	2,91,000	
5	Compression Moulding Machine	9,45,000	
6	Belt Grinder	37,050	
7	Fatigue Testing Machine	9,60,000	
8	CNC Lathe	10,10,000	
9	VMC Machine	30,00,000	
10	HURCO CNC machine	35,00,000	




Stir casting machine, Compression molding machine





Name of the Laboratory: Research & Development -II (Characterization & Testing)

Location: Mechanical Engineering Block

Program Outcomes (Pos)	Sustainability Development Goal (SDG)
PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	SDG 4, SDG 9, SDG 12, SDG 13

The objective of R&D-II is to provide students and researchers with insights into the latest developments in materials and manufacturing technologies. The laboratory provides facilities for specimen preparation and testing, along with a modern manufacturing environment to support advanced research and development activities.

Equipment details

Sl. No	Description	Cost Rs.

1	3D printer	1,65,000
2	Image analyses system	2,10,000
3	Microhardness tester	3,81,380
4	Ultrasonic flaw detector	2,23,275
5	Wear testing apparatus	4,49,985
6	Surface roughness tester	1,10,880
7	Shot peening machine	445000
8	Air compressor	166375
9	Turn table assembly	15,00,000
10	Electro chemical workstation	5,87,000
11	Rotatory bending machine	1,66,468.5
12	Ball Mill	1,10,000






Name of the Laboratory: Research & Development -III (Centre for Research in Advanced Materials and Manufacturing Process)

Location: Mechanical Engineering Block

Program Outcomes (Pos)	Sustainability Development Goal (SDG)
PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	SDG 4, SDG 7, SDG 8, SDG 9, SDG 12, SDG 13

The laboratory was established to promote advanced research in the fields of smart foundry, friction stir welding, and 3D printing. It is a DST-supported laboratory, and DST has sanctioned funds for the procurement of the following equipment.

Equipment's description:

Sl. No	Description	**Cost (Rs.)**
1	Smart Foundry *(DSI – STI scheme)*	1,97,43,950
2	3D Printer *(DSI – STI scheme)*	

3	Friction Stir Welding Machine *(DST-FIST scheme)*	30,00,000



List of Centre of Excellence

Sl. No	Name of the Centre of Excellence
1.	Athes Defence Centre of Excellence
2.	AVPL Drone Technology -Centre of Excellence
3.	Centre for Automation & Robotics (Sponsored by AICRA)
4.	Autodesk Centre of Excellence (Design and Innovation Centre)

Name of the Centre of Excellence: Athes Defence Centre of Excellence

Location: *Kovaipudur*

Program Outcomes (POs)	PSO	Sustainability Development Goal (SDG)
PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2, PSO3	SDG 4, SDG 8, SDG 9

The **Athes Centre of Excellence in Defence Technology** was successfully inaugurated on 6th March 2026 Sri Krishna College of Engineering and Technology, Coimbatore. The establishment of this centre marks an important milestone in strengthening industry–academia collaboration in the field of defence technology and innovation.



Athes Centre of Excellence in Defence Technology

. Objectives of Skill Development Program

The major objectives of the skill development program are:

- To provide practical exposure in defence technology and advanced manufacturing.
- To enhance students technical and research skills.
- To promote industry-oriented learning through internships.
- To develop problem-solving and design capabilities.
- To prepare students for employment in defence and core engineering industries.
- To encourage innovation, product development, and entrepreneurship.
-

3. Expected Outcomes of the Program

The major outcomes of the skill development initiative include:

- Improved technical competency of students.
- Hands-on exposure to real-time engineering problems.
- Development of research aptitude.
- Internship experience in defence technology domain.
- Improved placement opportunities.
- Industry readiness of participating students.
- Strengthening academia–industry interaction.

- technology areas
- Research positions

A total of 15 students were selected for defence competency training and successfully completed a three-month paid internship programme.

Sl. No	Year	Department	Name of the studets
1	Final	Mech	Dev Shubankhar V
2	Final	Mech	Shriram.R
3	Final	Mech	Sivabalan.B
4	Final	MCT	Aravindhan K
5	Final	MCT	Vignesh R
6	Final	EEE	Sagithyan G S
7	Final	EEE	Abhishek U
8	Final	EEE	Gokul K V
9	Third	ECE	Sarajini Devi.M
10	Third	Mech	K Gowri Dhatri
11	Third	Mech	Kadhirvel.N
12	Third	Mech	Guru Prasad S S

Lab name: AVPL- DRONE CENTRE OF EXCELLENCE

Location: C4 Block

Program Outcomes (POs)	PSO	Sustainability Development Goal (SDG)
PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2, PSO3	SDG 4, SDG 8, SDG 9, SDG 11

The Drone Centre of Excellence (CoE) established by AVPL International is an advanced training and skill development facility aimed at promoting drone technology education, research, and entrepreneurship. The centre focuses on providing hands-on training in drone operation, maintenance, data analysis, and applications in sectors such as agriculture, defence, infrastructure and surveying.



The CoE is designed to develop skilled drone pilots and technicians through DGCA-approved certification programs and industry-oriented courses. It also supports innovation through incubation facilities, industry collaboration, and practical exposure to real-time drone applications. Through this centre, AVPL aims to create employment opportunities, promote start-ups, and empower students and rural youth with emerging technology skills. The initiative also supports the development of “drone entrepreneurs” by providing technical training and business guidance.

Name of the Laboratory: Centre for Automation & Robotics (**Sponsored by AICRA**)

Location: C4 Block

Program Outcomes (Pos)	Sustainability Development Goal (SDG)
PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	SDG 4, SDG 9, SDG 12, SDG 13

The Centre for Automation & Robotics, sponsored by AICRA, is established to provide students with hands-on exposure to industrial automation, robotics, intelligent systems, and emerging technologies. The centre facilitates practical learning through training, workshops, demonstrations, and project-based activities involving robotic systems, sensors, actuators, PLCs, automation technologies, programming, and control systems. It promotes innovation, problem-solving, interdisciplinary learning, and industry-oriented skill development, enabling students to apply theoretical concepts to real-world engineering applications.

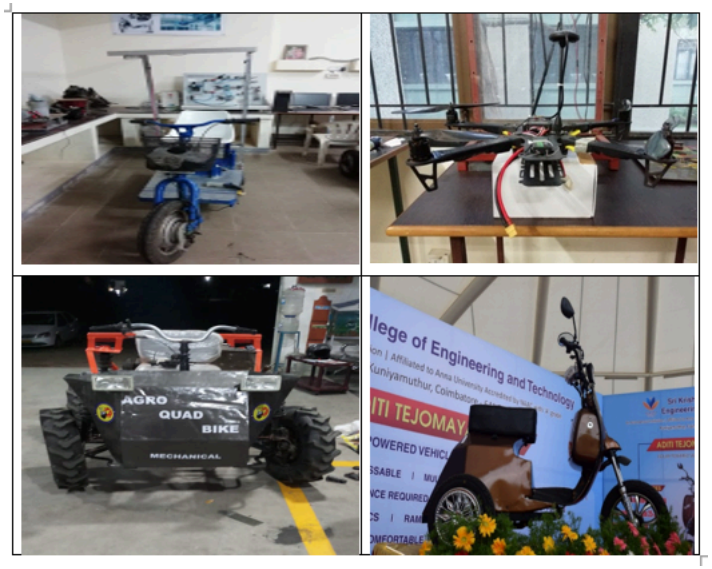
Equipment details

Sl. No	Description	Cost Rs.

1	Air compressor, M/S Frank Technologies,	8,05,940.00
2	Table top pneumatic tutor	
3.	Leogo mind storms FV3 Robot	
4.	Bosch- Hand drilling machine	
5.	Portable cutter- Bosch	
6.	Rilon-Arc welding machine	
7	Bench grinding machine	
8	Air pump	
9.	Shear cutter	
10	Air gun	
11	Manual pipe bending machine	
12	Hydraulic pipe bending machine	
13	Tape wrench, Tap set, Digital and analog vernier caliper	
14	Rivet gun	
15	Weight measuring instruments	
16	Sound level meter	

Key Products Developed:

1. Semi-Automatic chapati Making Machine.
2. Automatic Paper Pouch Making Machine
3. Aditi Tejomay- Solar Bike.
4. Three Wheeled Bike with Tilting Mechanism.
5. Semi-Automatic Lawn Mower.
6. Medical trone
7. Agro Quad Bike.



Name of the Laboratory: Autodesk Centre of Excellence (Design and Innovation Centre)

Location: Venkatraman Learning Centre

Program Outcomes (Pos)	Sustainability Development Goal (SDG)
PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	SDG 4,SDG7, SDG8, SDG 9,SDG 11 SDG 12, SDG 13

The Centre for Vehicle Design and Fabrication (Autodesk India) provide an industry-oriented platform for experiential learning in vehicle design, CAD/CAM/CAE, digital manufacturing and rapid prototyping. The centre enables students to convert engineering concepts into three-dimensional digital models, perform engineering simulations, develop manufacturing strategies and fabricate functional prototypes. The facility supports curriculum-based laboratory activities, mini projects, major projects, student innovation, faculty development programmes and industry-oriented training.

1. Student Learning Outcomes

Students using the centre are expected to develop the ability to:

- Create 2D engineering drawings and 3D CAD models.
- Develop assemblies and evaluate design functionality.
- Apply engineering principles to vehicle component design.
- Perform basic structural, thermal and motion simulations.
- Generate CAM strategies and manufacturing tool paths.
- Develop prototypes using 3D printing/additive manufacturing.
- Optimise components for weight, strength and manufacturability.
- Work on multidisciplinary automotive and EV projects.
- Use industry-standard digital engineering tools

2. Major Activities

The centre can support the following academic activities:

1. Vehicle component modelling and assembly design
2. Automotive body and surface modelling
3. Chassis and structural component design
4. Gearbox and transmission component modelling
5. Vehicle packaging and ergonomic studies
6. Finite element analysis and design validation

7. Motion and mechanism simulation
8. CNC tool-path generation
9. 3D printing and rapid prototyping
10. Reverse engineering and design modification
11. Generative design and lightweight component development
12. Electric vehicle component design

Vehicle design education can also include ergonomics, seating position, packaging, clearance/interference and virtual evaluation, which are appropriate activities for an automotive design centre.

3. Major software

Area	**Software/Technology**
2D/3D CAD	AutoCAD
Product design	Autodesk Inventor
Integrated CAD/CAM/CAE	Autodesk Fusion
Automotive styling	Autodesk Alias
Generative design	Autodesk Generative Design
Data management	Autodesk Vault





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.

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	400000000	396937329	290000000	229936923	122051500	132433690	18862500	15520095
Library	12000000	12410604	2500000	899191	9540000	8956320	1200000	1139982
Laboratory equipment	33000000	32636797	20000000	11964014	16570000	5445518	10000000	11805745
Teaching and non-teaching staff salary	380000000	376756807	231750000	225792575	216520000	216419721	220300000	218340926
Outreach Programs	2000000	2065527	1855000	1987948	200000	1828871	47500000	12682720
R&D	14000000	13784366	7445000	7062415	4000000	3612855	5850000	4473819
Training, Placement and Industry linkage	10000000	10689402	9360000	9780383	22500000	20496882	22000000	21216844
SDGs	75000000	75967378	60785000	58087747	55000000	50103073	71025395	48119945
Entrepreneurship	600000	525689	588000	568187	150000	331229	150000	884144
Others, specify	260000000	263139084	225714000	291036938	234124825	235936395	153874500	207804812
Total	**1186600000**	**1184912983**	**849997000**	**837116321**	**680656325**	**675564554**	**550762395**	**541989032**

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	8000000	7500000	6000000	5500000	7000000	5335695	8900000	8925500
Software	350000	305666	120000	119666	375000	354000	0	0
SDGs	516480	515840	527904	504461	571450	520611	868159	588183
Support for faculty development	35000	26000	30000	30000	25000	19000	160000	155000
R & D	600000	565000	3000000	2709200	900000	839000	2700000	2657750
Industrial Training, Industry expert, Internship	300000	250000	75000	75000	75000	75000	120000	115500
Miscellaneous Expenses*	200000	122015	200000	155088	250000	215302	230000	225000
Total	**10001480**	**9284521**	**9952904**	**9093415**	**9196450**	**7358608**	**12978159**	**12666933**