

NATIONAL BOARD OF ACCREDITATION

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

PART-A: Profile of the Institute

Name of the Program Applied for:

A1: Name of the Institute:-

Sree Sakthi Engineering College

Year of Establishment: 2010

Location of the Institute: Karamadai

A2: Institute Address:-

City : Coimbatore

State: Tamilnadu

Pin Code : 641104

Website: www.sreesakthi.edu.in

E-mail : principal@sreesakthi.edu.in

Phone No(with STD Code): 04254-296151

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

Name of the University : ANNA UNIVERSITY **City** : Chennai

State : Tamil Nadu **Pin Code:** 600025

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

Institute of National Importance

☐

Deemed University

☐

University

☐

Autonomous

☒

Non-Autonomous (Affiliated)

☐

Any other (Please specify)*

☐

***Provide Details:** _____

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

Central Government

☐

State Government

☐

Government Aided

☐

Self-financing

☒

Any Other (Please specify)*

☐

***Provide Details:** _____

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

❖ No. of UG programs: 10

❖ No. of PG programs: 2

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

S.N.	Level of program (UG/PG)	Name of the program	Year of Start	Year of close*	Name of the Department
1	UG	B.E (CIVIL ENGINEERING)	2010	-	CIVIL ENGINEERING
2	UG	B.E (COMPUTER SCIENCE AND ENGINEERING)	2010	-	COMPUTER SCIENCE AND ENGINEERING
3	UG	B.E (ELECTRONICS AND COMMUNICATION ENGINEERING)	2010	-	ELECTRONICS AND COMMUNICATION ENGINEERING

4	UG	B.E (ELECTRICAL AND ELECTRONICS ENGINEERING)	2010	-	ELECTRICAL AND ELECTRONICS ENGINEERING
5	UG	B.E (MECHANICAL ENGINEERING)	2010	-	MECHANICAL ENGINEERING
6	UG	B.E- COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)	2023	-	COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)
7	UG	B.E- COMPUTER SCIENCE AND ENGINEERING (CYBER SECURITY)	2023	-	B.E- COMPUTER SCIENCE AND ENGINEERING (CYBER SECURITY)
8	UG	B.TECH- INFORMATION TECHNOLOGY	2023	-	B.TECH- INFORMATION TECHNOLOGY
9	UG	B.TECH- ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	2024	-	B.TECH- ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
10	UG	B.E – MECHATRONICS ENGINEERING	2026	-	MECHATRONICS ENGINEERING
11	PG	M.E – VLSI DESIGN	2012	-	VLSI DESIGN
12	PG	M.E – COMPUTER SCIENCE AND ENGINEERING	2025	-	COMPUTER SCIENCE AND ENGINEERING

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

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

Cluster ID.	Name of the Department	Name of the Program
1.	CIVIL ENGINEERING	B.E (CIVIL ENGINEERING)
2.	COMPUTER SCIENCE AND ENGINEERING	B.E (COMPUTER SCIENCE AND ENGINEERING)
3.	ELECTRICAL AND ELECTRONICS ENGINEERING	B.E (ELECTRICAL AND ELECTRONICS ENGINEERING)
4.	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E (ELECTRONICS AND COMMUNICATION ENGINEERING)
5.	MECHANICAL ENGINEERING	B.E (MECHANICAL ENGINEERING)

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)
1.	COMPUTER SCIENCE AND ENGINEERING	B.E-COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)
2.	COMPUTER SCIENCE AND ENGINEERING	B.E-COMPUTER SCIENCE AND ENGINEERING (CYBER SECURITY)
3.	COMPUTER SCIENCE AND ENGINEERING	B.TECH- INFORMATION TECHNOLOGY
4.	COMPUTER SCIENCE AND ENGINEERING	B.TECH- ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
5.	COMPUTER SCIENCE AND ENGINEERING	M.E - COMPUTER SCIENCE AND ENGINEERING
6.	ELECTRONICS AND COMMUNICATION ENGINEERING	M.E – VLSI DESIGN

PART-B: Program information

(Data to be filled in for the program applied for Accreditation)

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

Table No. B1: Program details.

S. N.	Program Name	Year of start	Sanctioned Intake	Increase/decrease in intake, if any	Year of increase/decrease	AICTE Approval Details	Accreditation Status*	No. of times program accredited
1.	Mechanical Engineering	2010	60	YES	2023	Southern/143659328355/2024/EOA	Applying first time	0

* Write applicable one:

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

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

A. Name of the HoD :Dr. R. SAMPATH KUMAR

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

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

C. Qualification: (Tick the applicable choice)

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

***Please provide details:** _____

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

Item (Information is to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	CAY	CAYm1	CAYm2	CAYm3	CAYm4 (LYG)	CAYm5 (LYGm1)	CAYm6 (LYGm2)
N= Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	90	90	90	180
N1= Total no. of students admitted in the 1 st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	44	51	28	12	12	28	48
N2= Number of students admitted in 2 nd year in the same batch via lateral entry including leftover seats	17	03	69	87	70	05	02
N3= Separate division if any	00	00	00	00	00	00	00
N4= Total no. of students admitted in the 1 st year via all supernumerary quotas	00	00	00	00	00	00	00
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	61	54	97	99	82	33	50

CAY= Current Academic Year.

CAYm1= Current Academic Year Minus 1

CAYm2= Current Academic Year Minus 2.

LYG= Last Year Graduate.

LYGm1= Last Year Graduate Minus 1.

LYGm2= Last Year Graduate Minus 2.

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

Item (Students enrolled in the First Year on average over 3 academic years (CAY, CAYm1, and CAYm2))	CAY	CAYm1	CAYm2
N= Sanctioned intake of the program in the 1 st year (as per AICTE/Competent authority)	60	60	60
N1= Total no. of students admitted in the 1 st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	44	51	28
N4= Total no. of students admitted in the 1 st year via all supernumerary quotas	00	00	00
Enrolment Ratio (ER)= (N1+N4)/N	73.33	85	31.11
Average ER= (ER_1+ ER_2+ ER_3)/3	63.14		

B5: Success Rate of the Students in the Stipulated Period of the Program**Table No.B5.1:** The success rate in the stipulated period of a program.

Item	LYG	LYGm1	LYGm2
A*= (No. of students admitted in the 1 st year of that batch and those actually admitted in the 2 nd 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).	39	27	45
B=No. of students who graduated from the program in the stipulated course duration	04	10	36
Success Rate (SR)= (B/A)*100	10.25	37.03	80
Average SR of three batches ((SR_1+SR_2+ SR_3)/3)	42.42		

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

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

Academic Performance	CAYm1	CAYm2	CAYm3
X= (Mean of 1 st 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 1 st year/10)	7.0	7.1	7.46
Y= Total no. of successful students	51	23	12
Z = Total no. of students appeared in the examination	51	23	12
API = X* (Y/Z)	7.0	7.1	7.46
Average API = (API_1 + API_2 + API_3)/3	7.18		

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	CAYm2	CAYm3
X= (Mean of 2 nd 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 2 rd year/10)	7.6	7.62	7.5
Y= Total no. of successful students	88	85	76
Z =Total no. of students appeared in the examination	88	85	76
API = X* (Y/Z)	7.46	7.6	7.5
Average API = (API_1 + API_2 + API_3)/3	7.52		

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	CAYm2	CAYm3
X= (Mean of 3 rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3 rd year/10)	8.25	7.8	7.7
Y= Total no. of successful students	57	58	30
Z= Total no. of students appeared in the examination	57	58	30
API = X* (Y/Z)	8.25	7.8	7.7
Average API = (API_1 + API_2 + API_3)/3	7.91		

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

Item	LYG	LYGm1	LYGm2
FS*=Total no. of final year students	39	27	45
X= No. of students placed	39	27	45
Y= No. of students admitted to higher studies	0	0	0
Z= No. of students taking up entrepreneurship	0	0	0
X + Y + Z =	39	27	45
Placement Index (P) = (((X + Y + Z)/FS) * 100)	100	100	100
Average placement index = (P_1 + P_2 + P_3)/3	100		

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

PART C: Faculty Details in Department and Allied Departments(Data to be filled in for the **Department and Allied Departments**)**Faculty details of Department and Allied Departments****Table No.C1:** Faculty details in the Department for the past 3 years including CAY

S.N.	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	Designations at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if	Nature of Association (Regular/ Contract/ Ad hoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated(Y/N)	Date of Leaving if any(In case Currently Associated is “No”)
1	Jayaprakash G	AIMPJ8277A	NA	M.E. and Ph.D	Anna university	Engineering design	09-08-2023	1.1	Professor	Professor	09-08-2023	Regular	-	Yes	
2	Logesh B	ALDPL0243N	NA	M.E.	Anna university	Industrial engineering	04-07-2016	9	Assistant Professor	Assistant Professor		Regular	-	Yes	
3	Shivashankar R	FDLPS0888F	NA	M.E.	Anna university	Manufacturing engineering	13-08-2021	3.10	Assistant Professor	Assistant Professor		Regular	-	Yes	
4	Aboobucker Parvez Y	BEFPA9573L	NA	M.E. and Ph.D	Anna university	Engineering design	14-06-2019	6.1	Assistant Professor	Assistant Professor		Regular	-	Yes	
5	Midhun R	BNRPM3809E	NA	M.E.	Anna university	Product design and development	06-05-2019	6.2	Assistant Professor	Assistant Professor		Regular	-	Yes	
6	Antony V	AYUPV1717D	NA	M.E.	Anna university	Manufacturing engineering	15-02-2021	4.4	Assistant Professor	Assistant Professor		Regular	-	Yes	
7	Vignesh D R	ARBPV1602K	NA	M.E.	Anna university	Engineering design	08-08-2022	2.1	Assistant Professor	Assistant Professor		Regular	-	Yes	

8	Chakaravarthy P	AYEPC5930H	NA	M.E.	Anna university	Manufacturing engineering	11-04-2022	3.2	Assistant Professor	Assistant Professor		Regular	-	Yes	
9	Sathish Kumar K	FQUPS7031A	NA	M.E.	Anna university	Engineering design	16-06-2014	11.1	Assistant Professor	Assistant Professor		Regular	-	Yes	
10	Balaji G	DNWPB1293Q	NA	M.E.	Anna university	Computer integrated manufacturing	06-08-2024	0.11	Assistant Professor	Assistant Professor		Regular	-	Yes	
11	Ramesh N	CIXPR9338D	NA	M.E.	Anna university	Engineering design	10-06-2024	1	Assistant Professor	Assistant Professor		Regular	-	Yes	31-05-2025
12	Balaji A	BCFPA1245R	NA	M.E. and Ph.D.	National institute of technology	Production engineering	20-06-2018	6.11	Professor	Professor	20-06-2018	Regular	-	No	31-05-2025
13	Nandagopal G	AJGPN0868A	NA	M.E. and Ph.D.	Anna university	Welding technology	13-06-2023	0.11	Associate Professor	Associate Professor	13-06-2023	Regular	-	No	31-05-2024
14	Prem Kumar M	CPJPP6148E	NA	M.E.	Anna university	Thermal engineering	14-06-2022	3	Assistant Professor	Assistant Professor		Regular	-	Yes	
15	Varadharaj P	ALBPV7290F	NA	M.E.	Anna university	Product design and development	07-09-2010	13.8	Assistant Professor	Assistant Professor		Regular	-	No	11-05-2024
16	Rajakumar S	ATYPS6923R	NA	M.E. and Ph.D.	Bharathiyar university	Industrial engineering	03-02-2020	4.4	Professor	Professor	03-02-2020	Regular	-	No	14-06-2024
17	Charly Milton S	BDNPC2738L	NA	M.E.	Anna university	Thermal engineering	13-02-2021	3.4	Assistant Professor	Assistant Professor		Regular	-	No	09-07-2024
18	Saravanan K	GWNPS3046B	NA	M.E.	Karpagam university	Manufacturing engineering	11-08-2021	2.10	Assistant Professor	Assistant Professor		Regular	-	No	09-07-2024
19	Maniraj M	AZLPM8048G	NA	M.E. and Ph.D.	National institute of technology	Manufacturing engineering	17-10-2022	2.9	Professor	Professor	17-10-2022	Regular	-	Yes	
20	Gnanasekar R	BEBPG3688A	NA	M.E.	Anna university	Engineering design	26-06-2013	10	Assistant Professor	Assistant Professor		Regular	-	No	13-07-2023
21	Kamban S	BHKPK0462Q	NA	M.E.	Karunya university	Engineering design	26-06-2013	10	Assistant Professor	Assistant Professor		Regular	-	No	13-07-2023

22	Saravanakumar S	DIUPS9795F	NA	M.E.	Anna university	Engineering design	04-04-2022	1.3	Assistant Professor	Assistant Professor		Regular	-	No	13-07-2023
23	Senthilvelan S	EDAPS5684B	NA	M.E.	Anna university	Cad/ cam	16-06-2014	9	Assistant Professor	Assistant Professor		Regular	-	No	13-07-2023
24	Senthil Kumar S	ARUPS7112A	NA	M.E. and Ph.D.	Anna university	Product design and development	04-07-2022	1.10	Professor	Professor	04-07-2022	Regular	-	No	31-05-2024
25	Vijayakumar M	AJYPV3665P	NA	M.E. and Ph.D.	Anna university	Thermal engineering	24-11-2023	1.7	Professor	Professor	24-11-2023	Regular	-	Yes	31-03-2026
26	Soundararajan K	EIBPS9671C	NA	M.E.	Anna university	Engineering design	19-05-2023	2.1	Assistant Professor	Assistant Professor		Regular	-	No	30-06-2025
27	Srinivasan M	BNAPS6028L	NA	M.E. and Ph.D.	Anna university	Product design and development	08-02-2021	2.3	Assistant Professor	Associate Professor	05-04-2022	Regular	-	No	31-05-2023
28	Prabhakaran D	CPJPP6176G	NA	M.E.	Anna university	Thermal engineering	02-08-2024	0.10	Assistant Professor	Assistant Professor		Regular	-	No	30-06-2025
29	Sanjith L	CEJPS3871Q	NA	M.E.	Anna university	Engineering design	25-12-2019	3.6	Assistant Professor	Assistant Professor		Regular	-	No	13-07-2023
30	Krishnaraju A	AWZPK9593P	NA	M.E. and Ph.D.	Anna university	Engineering design	01-12-2021	1.6	Associate Professor	Associate Professor	01-12-2021	Regular	-	No	24-06-2023
31	Babu R	BDQPB6755L	NA	M.E. and Ph.D.	Karunya university	Manufacturing engineering	01-04-2022	1.2	Associate Professor	Associate Professor	01-04-2022	Regular	-	No	24-06-2023
32	Sampath Kumar R	PNPPS5856M	NA	M.E. and Ph.D.	Pondicherry university	Thermal Engineering	30-03-2026	0.3	Professor	Professor		Regular	-	Yes	
33	Robinson Gnanadurai R	AGZPG6994L	NA	M.E. and Ph.D.	Karunya university	Manufacturing engineering	17-11-2025	0.7	Associate Professor	Associate Professor		Regular	-	Yes	
34	Thangarasu S	AGFPT7071F	NA	M.E. and Ph.D.	Anna University	CAD/CAM	05-12-2025	0.6	Professor	Professor		Regular	-	Yes	
35	Surendar S	FNCPS4237R	NA	M.E.	Annauniversity	Production Engineering	05.01.2026	0.6	Assistant Professor	Assistant Professor		Regular	-	Yes	

36	Vignesh S	ATNPV6434D	NA	M.E. and Ph.D	Annauniversity	Manufacturing engineering	02.01.2025	1.6	Assistant Professor	Assistant Professor		Regular	-	Yes	
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Table No.C2.1: Student-faculty ratio.

Year	CAY	CAYm1	CAYm2
UG ₁ . B // 2 nd year students of UG ₁ program	60+4	90+9	90+9
UG ₁ . C // 3 rd year students of UG ₁ program	90+9	90+9	90+9
UG ₁ . D // 4 th year students of UG ₁ program	90+9	90+9	180+5
UG ₁ // Total no.of students(2 nd , 3 rd , 4 th) in UG ₁ program	262	297	383
DS=Total no. of students in all UG and PG programs in the Department	262	297	383
AS=Total no. of students of all UG and PG programs in allied departments			
S=Total no. of students in the Department (DS) and allied departments (AS)	262	297	383
DF=Total no. of faculty members in the Department	17	19	23
AF= Total no. of faculty members in the allied Departments			
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	17	19	23
FF=The faculty members in F who have a 100% teaching load in the first-year courses	3	3	3
Student Faculty Ratio (SFR)=S/(F-FF)	18.71	18.56	19.15
Average SFR for 3 years	18.71		

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

Year	X	Y	RF	FQI= 2.5 * [(10X +4Y)/RF]
CAY	5	9	13	14.61
CAYm1	6	10	15	16.6
CAYm2	7	13	19	16.05

C4: Faculty Cadre Proportion

- ❖ Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
 - RF1= No. of Professors required = $1/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents:}$.
 - RF2= No. of Associate Professors required = $2/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:}$.
 - RF3= No. of Assistant Professors required = $6/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:}$.
- ❖ 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 Faculty(RF1)	Available Faculty(AF1)	Required Faculty(RF2)	Available Faculty(AF2)	Required Faculty(RF3)	Available Faculty(AF3)
CAY	1	4	3	0	9	10
CAYm1	2	5	3	1	10	10
CAYm2	2	3	4	3	13	14
Average Numbers	RF1= 5	AF1=12	RF2=10	AF2=4	RF3=32	AF3= 34

C5: Visiting/Adjunct Faculty/Professor of Practice**Table No. C5.1:** List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

S.No	Name Of The Person	Designation & Organization	Name Of The Course	No Of Hours Handled
2024-25				
1	Mr.C.Manivel Prabhu	Managing Director Microtome Automation Pvt Ltd Coimbatore	Manufacturing Process	27
2	Mr.S.Praveen	Proprietor Pa Industries Coimbatore	Metrology And Measurements	27
Total No. Of Hours:				54
2023-24				
1	Mr.C.Manivel Prabhu	Managing Director Microtome Automation Pvt Ltd Coimbatore	Engineering Materials And Metallurgy	27
2	Mr.S.Praveen	Proprietor Pa Industries Coimbatore	CAD/CAM	27
Total No. Of Hours				54

2022-23				
1	Mr.C.Manivel Prabhu	Managing Director Microtome Automation Pvt Ltd Coimbatore	Process Planning And Cost Estimation	27
2	Mr.S.Praveen	Proprietor Pa Industries Coimbatore	Robotics	27
Total No. Of Hours				54

C6: Academic Research

Table No. C6.1: Faculty publication details.

S.N.	Item	CAYm1	CAYm2	CAYm3
1	No. of peer reviewed journal papers published	2	1	2
2	No. of peer reviewed conference papers published	2	2	3
3	No. of books/book chapters published	2	-	-

C7: Sponsored Research Project

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

S.N.	PI name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project title*	Name of the Funding agency	Duration of the project	Amount (Lacs)
CAYm1							
1	Dr. G Nandagopal	-	Mechanical Engineering Department , Sree Sakthi Engineering College	Development Of Electro magnetic materials Based Ultra-Thin Film Sensors	Talema Electronic (India) Pvt. Ltd Salem	11 Months	2.05
2	Mr.R.Midhun	-	Mechanical Engineering Department , Sree Sakthi Engineering College	Investigation On The Effects Of Nanolubricants, Such As Alumina Nanoparticles, On Gear Hobbing To Reduce Tool Wear And Improve Surface Roughness.	Ev Gear Technologies, Coimbatore	18 Months	1.50
Amount received (Rs.)							3.55
CAYm2							
1	Dr. A.Balaji	-	Mechanical Engineering Department , Sree Sakthi Engineering College	Incorporating Viscoelastic Layers Into Composites To Enhance Damping Properties	Makon Solution, Chennai	12 Months	2.5

2	Mr.K.Saravanan	-	Mechanical Engineering Department , Sree Sakthi Engineering College	Developing Analytical And Numerical Models To Accurately Predict The Elastic Recovery And Changes In Spring Diameter After Manufacturing, Improving Precision And Reducing Waste.	J.S.Springs Industries,Coimbatore	8 Months	1.28
Amount received (Rs.)							3.78
CAYm3							
1.	Mr.S.Kamman	-	Mechanical Engineering Department , Sree Sakthi Engineering College	Nvh (Noise, Vibration, And Harshness) Analysis For 3 Wheeler	Taark Equipments Pvt. Ltd,Coimbatore	6 Months	3.0
2	Dr. A.Balaji	-	Mechanical Engineering Department , Sree Sakthi Engineering College	Development And Implementation of Advanced Ndt Methods For The Detection Of Internal Defects And Surface Flaws In Manufactured Gears To Ensure High Quality.	Ev Gear Technologies, Coimbatore	10 Months	2.95
Amount received (Rs.)							5.95
Total Amount (Lacs) Received for the Past 3 Years							13.28

C8: Consultancy Work

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

S.N.	PI name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project title*	Name of the Funding agency	Duration of the project	Amount (Lacs)
CAYm1							
1	Dr.G.Jayaprakash	Dr.Aboobucker Parvez	Mechanical Engineering	Sand Mixer Paddle And Blade Design	Sree Sakthi Equipments Company	01/03/2023 To 30/06/2023	Rs 1,00,000/-

[illegible]

CAYm3							
	-	-	-	-	-	-	-
Amount received (Rs.)							0
Total amount (Lacs) received for the past 3 years							14,50,000

C9: Institution Seed Money or Internal Research Grant to its Faculty for Research Work**Table No. C9.1:** List of faculty members received seed money or internal research grant from the Institution.

S.N.	Faculty name	Project title/ Support for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the project
CAYm1(2023-2024)						
1	Mr.B.LOGESH	Experimental investigations to deploy green manufacturing practices through waste reduction using Lean Tools	2 MONTH	1.00	1.00	- Developed strategies for waste reduction in manufacturing processes - Improved resource utilization - Provided a framework for adopting lean tools in green manufacturing practices - Results shared with students for academic enrichment.
2	Mr. R .SHIVA SHANKAR	Design And Implementation Of Compressed Air Generation Using Vehicle Suspension System	2 MONTH	1.00	1.00	- Successfully demonstrated a prototype that converts suspension motion into usable compressed air; - Showed potential for sustainable energy recovery in automobiles;
CAYM2 (2022-2023)						
						and further research opportunities.
3	Mr.P.VARADHA RAJ	International conference	2 MONTH	1.00	1.00	- Participation in international conference facilitated knowledge sharing and networking; - Presented institutional research outcomes; - Strengthened academic visibility and collaborations at a global platform
Amount received(Rs.)						3.00 Lacs

1	Mr.V.Antony	Automatic Solar Panel Cleaning System Using Iot	6 Months	1.00	1.50	• Increased Solar Panel Efficiency, • Reduced Manual Labor And Maintenance Costs, • Remote Monitoring And Control Capabilities Through A Web Or Mobile Application
2	Mr.R.Midhun	Design And Analysis Of Intelligent Braking System	5 months	0.50	0.50	• Functional Prototype. • Improved Safety And Reduced Accident Risk • Performance Analysis System • Integration Structural And Component Analysis
Amount Received(Rs.)					2.00 Lacs	
CAYM3 (2021-2022)						
1	Mr.R.Midhun	Reforestation Using Self Driven Robot	10 months	0.75	0.75	• Using Autonomous Systems To Plant Trees Monitor Conditions, And Track Growth In Challenging

						Terrains • Accelerating The Process • Increasing Seedling • Survival Rates
2	Mr.V.Antony	Design And Fabrication Of Autonomous 180 Degree Firefighting Robot	12 months	0.75	0.75	• Integrated System's Ability To Navigate • Avoid Obstacles • Send Alerts (Like Sms) • Successfully Suppress Small Fires Autonomously • Demonstrating Improved Safety And Efficiency For Firefighting Operations
Amount Received(Rs.)					1.5 Lakhs	-
Total Amount(Lacs) Received For The Past 3 Years					6.50 Lakhs	

PART-D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department).

D1: Adequate and Well-Equipped Laboratories, and Technical Manpower**Table No.D1.1:** List of laboratories and technical manpower.

S.N.	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the major equipment	Weekly utilization status (all the courses for which the lab is utilized)	Technical Manpower support		
					Name of the technical staff	Designation	Qualification
1.	Manufacturing Technology Laboratory	30	1. CNC Lathe 2. Centre Lathes 3. Horizontal Milling Machine 4. Vertical Milling m/c 5. Shaper 6. Planer 7. CNC Milling 8. Gear Hobbing	6 hours	Mr.A.Maheshwaran	Lab Technician	Diploma
2.	Fluid Mechanics and Machinery Laboratory	30	1. Pelton wheel 2. Francis turbine 3. Kaplan turbine 4. Centrifugal Pump	6 hours	Mr.S.Thillai Govindarajan	Lab Technician	Diploma
3.	Strength of Materials Laboratory	30	1. UTM 1000KN 2. Impact Testing Machine 3. Hardness Testing Machine 4. Torsion Testing Machine 5. Spring Testing Machine	6 hours	Mr.S.Thillai Govindarajan	Lab Technician	Diploma
4.	Thermal Engineering Laboratory	30	1. Steam Boiler with Turbine Setup 2. Two Stage Reciprocating Air Compressor 3. Refrigeration Test Rig. 4. Air-conditioning Test Rig.	6 hours	Mr.M.R.Soundararajan	Lab Technician	Diploma
5.	Metrology and Measurements	30	1. Profile	6 hours	Mr.D.Manivannan	Lab Technician	I.T.I

	Laboratory		Projector 2. Auto collimator				
6.	Dynamics Laboratory	30	1. Governor Apparatus 2. Motorized Gyroscope. 3. Balancing of Rotating Masses 4. Balancing of Reciprocating Masses 5. Gear Trains	6 hours	Mr.D.Manivannan	Lab Technician	I.T.I
7.	CAD/CAM Laboratory	30	1. Auto CAD 2. Solid Works 3. Ansys 4. Fusion 360	6 hours	Mr.R.Muthu Pandi	Lab Instructor	B.E
8.	Mechatronics Laboratory	30	1. Microcontroller Kit with Stepper Motor 2. Automation Studio Software. 3. Pneumatic Trainer Kit with PLC Control	6 hours	Mr.M.R.Soundararajan	Lab Technician	Diploma
9.	Workshop Laboratory	30	1. Welding Booth 2. Centre Lathe 3. Electric Arc Welding Equipments	30 hours	Mr.A.Maheshwaran	Lab Technician	DME

D2: `Safety Measures in Laboratories

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

S.N.	Name of the Laboratory	Safety measures
1.	Manufacturing Technology Laboratory	1. Wear safety goggles, gloves, and protective clothing. 2. Operate machines only under trained supervision. 3. Keep hands clear of moving parts. 4. Use machine guards at all times. 5. Maintain clean and dry floors. 6. Ensure emergency stop buttons are functional. 7. Fire extinguisher and first aid box available.
2.	Fluid Mechanics and Machinery Laboratory	1. Avoid contact with moving pump parts and rotating shafts. 2. Check all pipe connections to prevent leaks. 3. Keep electrical equipment away from wet surfaces. 4. Do not exceed pressure limits. 5. Shut down equipment before maintenance. 6. Wear non-slip footwear. 7. Fire extinguisher and first aid box available.
3.	Strength of Materials Laboratory	1. Maintain a safe distance during testing operations. 2. Wear safety goggles for impact/tensile tests. 3. Avoid specimen overloading. 4. Check hydraulic systems for leaks. 5. Keep area free from loose tools. 6. Operate under faculty supervision. 7. Fire extinguisher and first aid box available.
4.	Thermal Engineering Laboratory	1. Avoid touching hot surfaces and steam lines. 2. Use heat-resistant gloves for hot parts. 3. Maintain proper ventilation. 4. Keep flammable materials away from heat sources. 5. Check pressure gauges and safety valves regularly. 6. Do not bypass safety interlocks. 7. Fire extinguisher and first aid box available.

5.	Metrology and Measurements Laboratory	1. Handle instruments carefully to avoid damage. 2. Keep measuring devices dust- and oil-free. 3. Allow only trained personnel for calibration. 4. Avoid touching measuring surfaces. 5. Store instruments after use. 6. Ensure safe electrical connections. 7. Fire extinguisher and first aid box available.
6.	Dynamics Laboratory	1. Keep clear of rotating and vibrating equipment. 2. Wear goggles during balancing and vibration experiments. 3. Check balance before running machines. 4. Secure specimens firmly. 5. Disconnect power before adjustments. 6. Operate only under supervision. 7. Fire extinguisher and first aid box available.
7.	CAD/CAM Laboratory	1. Ground all equipment properly. 2. Avoid food/drinks near computers and CNC machines. 3. Use surge protection devices. 4. Follow lockout/tagout for CNC maintenance. 5. Keep cables organized to avoid tripping. 6. Wear safety glasses during CNC operations. 7. Fire extinguisher and first aid box available.
8.	Mechatronics Laboratory	1. Disconnect power before changing wiring. 2. Use insulated tools for electrical work. 3. Keep liquids away from control panels. 4. Avoid loose clothing near moving parts. 5. Test with low voltage before applying full power. 6. Provide ventilation for pneumatic/hydraulic setups. 7. Fire extinguisher and first aid box available.
9.	Workshop Laboratory	1. Wear goggles, gloves, and aprons.

		2. Use correct tools for each task. 3. Keep work area clean and dry. 4. Ensure ventilation for welding/painting. 5. Store flammables in approved cabinets. 6. Follow safe lifting practices. 7. Fire extinguisher and first aid box available.
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D3: Project Laboratory/Research Laboratory

Table No. D3.1: List of project laboratory/research laboratory /Centre of Excellence.

S.N.	Name of the Laboratory
1.	Centre for Excellence - Product Design
2.	Start-up TN incubation Center
3.	Project Lab
4.	Centre for Excellence – Robotics

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 $((NS1*0.8) + (NS2*0.2)) / (\text{No. of required faculty (RF4)})$; Percentage= $((NS1*0.8) + (NS2*0.2)) / RF4$
CAY	570	29	28	14	86.89%
CAYm1	360	18	17	14	91.11%
CAYm2	300	15	18	13	100%

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

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

Items	Budgeted in CFY	Actual expenses in CFY (till ...)	Budgeted in CFYm1	Actual Expenses in CFYm1	Budgeted in CFYm2	Actual Expenses in CFYm2	Budgeted in CFYm3	Actual Expenses in CFYm3
Infrastructure Built-Up	18000000	17738374	13500000	13108275	750000	744528	110000	105495
Library	165000	163250	135000	134650	120000	118400	14000	13570
Laboratory equipment	3000000	2877000	2500000	2398540	1800000	1598625	1400000	1233545
Teaching and non-teaching staff salary	56000000	55852458	24500000	24164301	16500000	16229064	9800000	9708425
Outreach Programs	12000000	11692894	22500000	22341727	10000000	10027990	4500000	4467975

R&D	2000000	1790900	1800000	1784400	1200000	1183300	900000	879200
Training, Placement and Industry linkage	2250000	2228662	690000	688391	35000	32553	50000	51847
SDGs	300000	289000	300000	270190	225000	223250	150000	135950
Entrepreneurship	950000	948000	630000	620000	500000	490000	300000	285000
Others*, pl. specify	70000000	68792450	40000000	39901615	28000000	27500176	14000000	13833872
Total amount	164665000	162372988	106555000	105412089	59130000	58147886	31224000	30714879

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

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

Items	Budgeted in CFY	Actual expenses in CFY (till ...)	Budgeted in CFYm1	Actual Expenses in CFYm1	Budgeted in CFYm2	Actual Expenses in CFYm2	Budgeted in CFYm3	Actual Expenses in CFYm3
Laboratory equipment	12,30,000	12,27,700	4,00,000	3,57,000	4,00,000	3,98,000	9,00,000	9,01,600
Software	0	0	0	0	0	0	0	0
SDGs	50,000	48,900	45,000	44,690	40,000	35,400	25,000	20,200
Support for faculty development	1,00,000	98,000	1,00,000	99,500	80,000	76,500	50,000	48,500
R & D	3,00,000	2,99,400	3,00,000	2,99,500	2,00,000	1,97,400	1,50,000	1,48,500
Industrial Training, Industry expert, Internship	1,00,000	97,000	1,00,000	98,000	75,000	74,500	25,000	24,000
Miscellaneous expenses *	10,000	8,000	10,000	7,600	10,000	9,700	10,000	9,850
Total amount	17,90,000	17,79,000	9,55,000	9,06,290	8,05,000	7,91,500	11,60,000	11,52,650