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: 11565	**Date of Submission**: 04-02-2026

PART A- Profile of the Institute

A1.Name of the Institute: SRM VALLIAMMAI ENGINEERING COLLEGE	
Year of Establishment : 1999	Location of the Institute: SRM Nagar Potheri Kattankulathur
A2. Institute Address:VALLIAMMAI ENGINEERING COLLEGE,SRM NAGAR,KATTANKULATHUR-603203,KANCHEEPURAM D.T. TAMILNADU	
City:Chennai	State:Tamil Nadu
Pin Code:603203	Website:srmvalliammai.ac.in
Email:SRMVEC@VALLIAMMAI.CO.IN	Phone No(with STD Code):044-27454784
A3. Name and Address of the Affiliating University (if any):	
Name of the University : NIL	City: Kancheepuram
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: **11**
- No. of PG programs: **9**

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	2024	--	Computer Application
2	Engineering & Technology	UG	Agricultural Engineering	2019	--	Agricultural Engineering
3	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Artificial Intelligence and Data Science
4	Engineering & Technology	UG	Civil Engineering	2009	--	Civil Engineering
5	Engineering & Technology	PG	Communication Systems	2012	--	Electronics and Communication Engineering
6	Engineering & Technology	PG	Computer Science and Engineering	2012	--	Computer Science and Engineering
7	Engineering & Technology	UG	Computer Science and Engineering	1999	--	Computer Science and Engineering
8	Engineering & Technology	PG	Control & Instrumentation Engineering	2010	--	Electronics and Instrumentation Engineering
9	Engineering & Technology	UG	Cyber Security	2020	--	Cyber Security

10	Engineering & Technology	PG	Data Science	2020	--	Information Technology
11	Engineering & Technology	UG	Electrical & Electronics Engineering	2001	--	Electrical and Electronics Engineering
12	Engineering & Technology	UG	Electronics & Communication Engineering	1999	--	Electronics and Communication Engineering
13	Engineering & Technology	UG	Electronics & Instrumentation Engineering	2002	--	Electronics and Instrumentation Engineering
14	Engineering & Technology	PG	Industrial Safety Engineering	2019	--	Mechanical Engineering
15	Engineering & Technology	UG	Information Technology	1999	--	Information Technology
16	Engineering & Technology	UG	Mechanical Engineering	2008	--	Mechanical Engineering
17	Engineering & Technology	UG	Medical Electronics	2019	--	Medical Electronics
18	Engineering & Technology	PG	Power Systems Engineering	2010	--	Electrical and Electronics Engineering
19	Engineering & Technology	PG	Structural Engineering	2013	--	Civil Engineering
20	Management	PG	Masters 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
Computer Science and Engineering	No	Computer Science and Engineering	UG
Electronics and Communication Engineering	Yes	Electronics & Communication Engineering	UG
Mechanical Engineering	No	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)

No Record

PART-B: Program information

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

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

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Mechanical Engineering	UG	2008 / --	60	Yes	2021	60	2021	Southern/1-9317584435/2021/EOA	Granted accreditation for 3 years for the period (specify period)	2017	2026	3	4

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

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

List of the Allied Departments/Cluster and Programs:

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

A. Name of the HoD :	Dr.S.Thirugnanam
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)	60	66	61	60	60	120	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	57	53	55	46	43	50	68
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	13	6	9	15	34	16
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.	57	66	61	55	58	84	84

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	57	0	95.00
2024-25 (CAYm1)	66	53	0	80.30
2023-24 (CAYm2)	61	55	0	90.16

Average [(ER1 + ER2 + ER3) / 3] = 88.49≡ 17.00

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).	75.00	154.00	196.00
B=No. of students who graduated from the program in the stipulated course duration	37.00	49.00	67.00
Success Rate (SR)= (B/A) * 100	49.33	31.82	34.18

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 38.44

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

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

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
X=(Mean of 1st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10)	7.58	8.28	7.28
Y=Total no. of successful students	13.00	36.00	29.00
Z=Total no. of students appeared in the examination	43.00	50.00	68.00
API [X*(Y/Z)]	2.29	5.96	3.10

Average API[(AP1+AP2+AP3)/3] : 3.78

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)	7.83	7.53	8.05
Y=Total no. of successful students	29.00	29.00	37.00
Z=Total no. of students appeared in the examination	35.00	38.00	53.00
API [X * (Y/Z)]	6.49	5.75	5.62

Average API [(AP1 + AP2 + AP3)/3] : 5.95

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)	6.93	7.51	7.93
Y=Total no. of successful students	29.00	37.00	49.00

Z=Total no. of students appeared in the examination	29.00	37.00	49.00
API [X*(Y/Z)]:	6.93	7.51	7.93

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

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	75.00	154.00	196.00
X=No. of students placed	38.00	43.00	46.00
Y=No. of students admitted to higher studies	1.00	5.00	4.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	52.00	31.17	25.51

Average Placement Index = (P_1 + P_2 + P_3)/3: 36.23 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.S.Thirugnanam	XXXXXXX06P	Ph.D	Bharathiar University	Production Engineering	03/06/2009	16.8	Professor	Professor	03/06/2009	Regular	Yes		Yes
2	Dr.S.Suresh Pungaiah	XXXXXXX66C	Ph.D	Anna University	Thermal Engineering	16/06/2014	11.7	Assistant Professor	Associate Professor	26/04/2024	Regular	Yes		No
3	Mr.G.Ananth	XXXXXXX78D	M.E.	Annamalai University	Production Engineering	27/09/1999	26.4	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Dr.K.Venkatesan	XXXXXXX51H	Ph.D	Anna University	Manufacturing Engineering	01/06/2012	13.8	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Dr.R.Srinivasan	XXXXXXX49Q	Ph.D	Anna University	Engineering Design	01/06/2012	13.8	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Dr.S.Sivalingam	XXXXXXX71L	Ph.D	Anna University	Manufacturing Engineering	22/06/2011	14.7	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Dr.S.Sivasankar	XXXXXXX98J	Ph.D	Anna University	Thermal Engineering	08/07/2015	10.6	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr.R.Ashok	XXXXXXX62M	M.Tech	SRM University	Computer Aided Design	28/06/2010	15.7	Assistant Professor	Assistant Professor		Regular	Yes		No

9	Mr.J.P.Ramesh	XXXXXXX64H	M.E.	Anna University	Aeronautical Engineering	07/07/2014	11.6	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mr.T.Muthu Krishnan	XXXXXXX70R	M.E.	Anna University	Manufacturing Engineering	01/06/2015	10.8	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mr.K.P.Manikandan	XXXXXXX27N	M.E.	Anna University	Product design and Development	07/07/2014	11.6	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mr.G.Rajesh	XXXXXXX37R	M.Tech	SRM University	Computer Aided Design	28/06/2017	8.7	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mr.P.Vijayan	XXXXXXX55B	M.E.	Anna University	Manufacturing Engineering	10/06/2015	10.7	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mr.P.Ramu	XXXXXXX95Q	M.E.	Anna University	Manufacturing Engineering	17/06/2013	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Mr.G.Lokesh	XXXXXXX07K	M.E.	Anna University	Engineering Design	09/06/2015	10.7	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Mr.M.Vadivel	XXXXXXX15E	M.E.	Anna University	Engineering Design	30/06/2017	8.7	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Ms.N.Nithya	XXXXXXX55L	M.E.	Anna University	Mechatronics	22/06/2016	7.10	Assistant Professor	Assistant Professor		Regular	No	10/05/2024	No

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

C2. Student-Faculty Ratio (SFR)

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

No. of UG Programs in the Department1 No. of PG Programs in the 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
UG1.D	66	66	132

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1: Mechanical Engineering	**198**	**198**	**264**
PG1.A	18	18	18
PG1.B	18	18	18
PG1: Industrial Safety Engineering	**36**	**36**	**36**
DS=Total no. of students in all UG and PG programs in the Department	234	234	300
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 234	**S2=** 234	**S3=** 300
DF=Total no. of faculty members in the Department	16	16	17
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 16	**F2=** 16	**F3=** 17
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= 21.27**	**SFR2= 21.27**	**SFR3= 25.00**
Average SFR for 3 years	**SFR= 22.51**		

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)	5	11	11.00	21.36
2024-25(CAYm1)	4	12	11.00	20.00
2023-24(CAYm2)	3	14	14.00	15.36

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	1.00	2.00	1.00	7.00	14.00

2024-25	1.00	1.00	2.00	1.00	7.00	14.00
2023-24	1.00	1.00	3.00	0.00	10.00	16.00
Average	RF1=1.00	AF1=1.00	RF2=2.33	AF2=0.67	RF2=8.00	AF2=14.67

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

(CAYm2)

(CAYm3)

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	4	2	8
2	No. of peer reviewed conference papers published	1	6	11
3	No. of books/book chapters published	0	0	0

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.S.Suresh Pungaiah		Engineering and Technology	IoT Integrated Solar Panel Cleaning System for Maximizing Efficiency	TNSCST	6 months	0.01
						Amount received (Rs.):0.01

(CAYm2)

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 0.01

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)

(CAYm2)

(CAYm3)

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

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.S.Suresh Pungaiah	Research	2 years	3.00	0.54	The research validates carbon dots as sustainable, high-performance nanoparticles for heat-transfer nanofluids
			Amount received (Rs.): 3.00		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr.P.Ashok, Dr.S.Thirugnanam	Design and Analysis of 3D Printed Drone Propeller	2 Years	3.00	2.60	The outcome of 3D Printing research lab is the rapid creation of customized, complex physical objects
			Amount received (Rs.): 3.00		

(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
0	0	0	0.00	0.00	0
			Amount received (Rs.): 0.00		

Total amount (Lacs) received for the past 3 years : 6.00

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

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

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

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	1901208-Engineering Practices Laboratory	30	Arc welding transformer with Welding booth with exhaust facility Oxygen and acetylene gas cylinders,	100%	Mr.E.Babusankar	Lab Technician	ITI
2	1909305-Manufacturing Technology Laboratory	30	Centre Lathes Horizontal Milling Machine Vertical Milling Machine Shaper Arc welding transformer with	30%	Mr.T.Baskaran	Lab Technician	ITI
3	1909306-Fluid Mechanics and Machinery Laboratory	30	Orifice meter setup Venturi meter setup Rotameter setup Pipe Flow analysis setup Centrifugal	50%	Mr.R.S.Senthil Murugan	Technical Assistant	B.Tech.
4	1909405-Computer Aided Machine Drawing Practices Laboratory	30	Computers with necessary Accessories (30 No's) Computer nodes or systems (High end CPU with i7 13	40%	Mr.R.Bakthavachalam	Lab Technician	ITI
5	1909513-Dynamics and Metrology Laboratory	30	Cam follower setup. Motorized gyroscope. Governor apparatus - Watt, Porter, Proell and Hartnell governors.	60%	Mr.E.Babusankar	Lab Technician	ITI
6	1909514-Thermal Engineering Laboratory	30	I.C Engine – 2 stroke and 4 stroke model Red Wood Viscometer Apparatus for Flash and Fire Point 4-stroke	60%	Mr.R.S.SenthilMurugan	Technical Assistant	B.Tech
7	1909609-CAD / CAM and Analysis Laboratory	30	Computers with necessary Accessories (30 No's) Computer server Computer nodes or systems (High	40%	Mr.R.Bakthavachalam	Technical Assistant	B.E
8	1909611-Heat Transfer Laboratory	30	Guarded plate apparatus Lagged pipe apparatus Natural convection-vertical cylinder apparatus Forced	40%	Mr.R.S.Senthil Murugan	Technical Assistant	B.Tech.
9	1909714-Mechatronics and Automation Laboratory	30	Basic Pneumatic Trainer Kit with manual and electrical controls/ PLC Control each. Basic Hydraulic Trainer Kit	40%	Mr.M.Vijayakumar	Lab Technician	ITI

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Manufacturing Technology Laboratory	Uniform, shoes, Yellow line, ventilation, fire extinguisher, First aid kit, Welding shield. Gloves, goggles, and emergency exit.
2	Thermal Engineering Laboratory	Uniform, shoes, Yellow line, ventilation, fire extinguisher, First aid kit, and emergency exit.

3	Fluid Mechanics & Machinery Laboratory	Uniforms, shoes, Yellow line, ventilation, fire extinguisher, First aid kit, and emergency exit.
4	Engineering Practices Laboratory	Uniforms, shoes, Yellow line, ventilation, fire extinguishers, First aid kits, and emergency exit.
5	CAD/CAM Laboratory	Uniform, shoes, fire extinguisher
6	Dynamics of Machinery Laboratory	Uniforms, shoes, Yellow line, ventilation, fire extinguishers, First aid kit.
7	Metrology & Measurements Laboratory	Uniform, shoes, Yellow line, ventilation, fire extinguisher, First aid kit.
8	Mechatronics Laboratory	Uniform, shoes, Yellow line, ventilation, fire extinguisher, First aid kit.

D3. Project Laboratory/Research Laboratory

Manufacturing Technology lab
Thermal Engineering lab
CAD/CAM lab
Metrology & Measurements lab

PART E: First Year faculty and financial Resources

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

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) +(NS2*0.2))/RF
2023-24(CAYm2)	930	46	38	57	91
2024-25(CAYm1)	990	50	42	69	95
2025-26(CAY)	990	50	35	74	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	115.04	103.85	68.5	7.79	75.12	64.33	28.24	17.77
Library	4.89	1.25	1.64	4.44	10.25	1.17	26.57	2.83
Laboratory equipment	261.06	142.43	265.55	335.65	144.52	249.91	93.39	32.88
Teaching and non-teaching staff salary	2517.6	2266.94	2141.92	2292.05	1902.5	1941.52	1913.53	1993.39
Outreach Programs	7.5	3.56	7.5	6.13	5.5	4.92	2.5	1.29
R&D	6.31	4.42	12.01	6.01	6.08	3.02	6	5.76
Training, Placement and Industry linkage	213.7	10.49	185.21	203.54	30.71	31.83	25.97	28.86
SDGs	35.545	21.84	32.49	25.47	29.13	21.25	25.07	11.19
Entrepreneurship	0.185	0.166	0.085	0.085	0.02	0.02	0.085	0.046
Others, specify	1137.33	1218.19	920.4	1257.71	1001.2	1279.51	641.25	977.75
Total	**4299.160**	**3773.136**	**3635.305**	**4138.875**	**3205.03**	**3597.48**	**2762.605**	**3071.766**

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	229500	347855.4	1735500	2937488.76	1735500	72110	282500	146492.3

Software	455862	455862	482437	482437	440090	440090	344588	344588
SDGs	110000	65899	75000	71194	75000	67070	150000	82766
Support for faculty development	20000	9932	20000	8524	20000	3950	20000	16164
R & D	200000	150900	200000	80100	200000	22300	200000	67260
Industrial Training, Industry expert, Internship	99000	17312	90000	29860	90000	16724	100000	33717
Miscellaneous Expenses*	948156	469194	765560	229187	765408	42703	1687855	431899
Total	**2062518**	**1516954.4**	**3368497**	**3838790.76**	**3325998**	**664947**	**2784943**	**1122886.3**