

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electrical and Electronics Engineering	Discipline : Engineering & Technology
Level : Under Graduate	Tier : 2
Application No : 10485	Date of Submission : 04-07-2026

PART A- Profile of the Institute

A1.Name of the Institute: DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 2001	Location of the Institute: Mamallapuram Chennai
A2. Institute Address: ECR,POONJERI,MAMALLAPURAM,CHENNAI	
City:CHENNAI	State:Tamil Nadu
Pin Code:603104	Website:www.dscet.ac.in
Email:DSCET@YAHOO.CO.IN	Phone No(with STD Code):044-27442844
A3. Name and Address of the Affiliating University (if any):	
Name of the University : NIL	City: Chennai
State : Tamil Nadu	Pin Code: 600025
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status: Self financing	

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

- No. of UG programs: 17
- No. of PG programs: 8

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 in Computer Applications	2007	--	Computer Application
2	Engineering & Technology	UG	Aeronautical Engineering	2007	--	Aeronautical Engineering
3	Engineering & Technology	PG	Aeronautical Engineering	2011	--	Aeronautical Engineering
4	Engineering & Technology	UG	Agricultural Engineering	2019	--	Agricultural Engineering
5	Engineering & Technology	UG	Artificial Intelligence and Data Science	2022	--	Artificial Intelligence and Data Science
6	Engineering & Technology	UG	Biomedical Engineering	2019	--	Biomedical Engineering
7	Engineering & Technology	UG	Civil Engineering	2012	--	Civil Engineering
8	Engineering & Technology	PG	Communication Systems	2010	--	Electronics and Communication Engineering
9	Engineering & Technology	PG	Computer Science and Engineering	2010	--	Computer Science and Engineering

10	Engineering & Technology	UG	Computer Science and Engineering	2001	--	Computer Science and Engineering
11	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2024	--	Computer Science and Engineering
12	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2022	--	Computer Science and Engineering
13	Engineering & Technology	UG	Computer Science and Engineering (Internet of Things)	2025	--	Computer Science and Engineering
14	Engineering & Technology	UG	Electrical and Computer Engineering	2025	--	Electrical and Electronics Engineering
15	Engineering & Technology	UG	Electrical and Electronics Engineering	2004	--	Electrical and Electronics Engineering
16	Engineering & Technology	UG	Electronics & Communication Engineering	2001	--	Electronics and Communication Engineering
17	Engineering & Technology	UG	Environmental Science & Technology	2025	--	Civil Engineering
18	Engineering & Technology	PG	Environmental Science & Technology	2025	--	Civil Engineering
19	Engineering & Technology	UG	Food Technology	2019	--	Food Technology
20	Engineering & Technology	PG	Industrial Safety Engineering	2025	--	Mechanical Engineering
21	Engineering & Technology	UG	Information Technology	2001	--	Information Technology
22	Engineering & Technology	UG	Mechanical Engineering	2004	--	Mechanical Engineering
23	Engineering & Technology	PG	Power Electronics and Drives	2012	--	Electrical and Electronics Engineering
24	Engineering & Technology	UG	Robotics and Artificial Intelligence	2025	--	Robotics and Artificial Intelligence
25	Management	PG	Master of Business Administration	2007	--	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
Biomedical Engineering	No	Biomedical Engineering	UG
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG
Food Technology	No	Food Technology	UG
Electrical and Electronics Engineering	No	Electrical and Electronics 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	Electrical and Electronics Engineering	UG	2004 / --	30	Yes	2013	60	2013	Southern/1-1409684732/2013/EOA	Granted accreditation for 3 years for the period (specify period)	2022	2025	2	4

Sanctioned Intake for Last Five Years for the Power Electronics and Drives	
Academic Year	Sanctioned Intake
2024-25	60
2023-24	60
2022-23	60
2021-22	60
2020-21	60
2019-20	60

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.E.BARANEETHARAN
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)	2024-25 (CAY)	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)	2020-21 (CAYm4)	2019-20 (CAYm5)	2018-19 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	60	60	60	60
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	15	28	36	41	59	39	23
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	1	5	4	0	6	0

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.	15	29	41	45	59	45	23

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]
2024-25 (CAY)	60	15	0	25.00
2023-24 (CAYm1)	60	28	0	46.67
2022-23 (CAYm2)	60	36	0	60.00

Average [(ER1 + ER2 + ER3) / 3] = 43.89≅ 5.00

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	(2020-21) LYG	(2019-20) LYGm1	(2018-19) 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).	60.00	66.00	60.00
B=No. of students who graduated from the program in the stipulated course duration	5.00	23.00	17.00
Success Rate (SR)= (B/A) * 100	8.33	34.85	28.33

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 23.84

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(2023-24)	CAYm2(2022-23)	CAYm3 (2021-22)
Mean of CGPA or mean percentage of all successful students(X)	6.80	7.20	7.50
Y=Total no. of successful students	28.00	31.00	29.00
Z=Total no. of students appeared in the examination	28.00	36.00	41.00
API [X*(Y/Z)]	6.80	6.20	5.30

Average API[(AP1+AP2+AP3)/3] : 6.10

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
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)	6.90	7.10	7.00
Y=Total no. of successful students	32.00	28.00	10.00

Z=Total no. of students appeared in the examination	31.00	29.00	13.00
API [$X * (Y/Z)$]	7.12	6.86	5.38

Average API [(AP1 + AP2 + AP3)/3] : 6.45

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
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)	7.00	7.10	6.50
Y=Total no. of successful students	26.00	9.00	31.00
Z=Total no. of students appeared in the examination	28.00	10.00	36.00
API [$X*(Y/Z)$]:	6.50	6.39	5.60

Average API [(AP1 + AP2 + AP3)/3] : 6.16

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2020-21)	LYGm1(2019-20)	LYGm2(2018-19)
FS*=Total no. of final year students	60.00	66.00	60.00
X=No. of students placed	9.00	21.00	17.00
Y=No. of students admitted to higher studies	0.00	1.00	0.00
Z= No. of students taking up entrepreneurship	0.00	1.00	0.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$:	15.00	34.85	28.33

Average Placement Index = (P_1 + P_2 + P_3)/3: 26.06 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. BALAMURUGAN	XXXXXX50C	Ph.D	Anna University	Electrical Engineering	03/07/2019	5.8	Professor	Professor	03/07/2019	Regular	Yes		No
2	Dr.E.BARANEETHARAN	XXXXXX99A	Ph.D	Anna University	Electrical Engineering	28/06/2023	1.8	Associate Professor	Professor	12/07/2024	Regular	Yes		Yes

3	Dr. P.VEERA MANIKANDAN	XXXXXXX32C	Ph.D	Anna University	Electrical Engineering	14/02/2024	1.1	Associate Professor	Associate Professor	14/02/2024	Regular	Yes		No
4	Mrs. KAVERI A	XXXXXXX88N	M.E/M.Tech	SRM University	Power Electronics and Drives	01/03/2016	9	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Ms. BRINDA P	XXXXXXX77Q	M.E/M.Tech	Anna University	Power System Engineering	18/12/2017	7.3	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mr. SHANKARKUMAR M	XXXXXXX31Q	M.E/M.Tech	ANNA UNIVERSITY	Power Electronics and Drives	11/08/2021	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mr. K.RAJARAM	XXXXXXX24M	M.E/M.Tech	ANNA UNIVERSITY	Power Electronics and Drives	04/03/2022	3	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mrs. APARNA SAIPRAMOD	XXXXXXX40Q	M.E/M.Tech	ANNA UNIVERSITY	Power Electronics and Drives	11/03/2022	3	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mrs. M.LAKSHMIPRIYA	XXXXXXX31C	M.E/M.Tech	Sathyabama University	Power Electronics and Industrial Drives	25/07/2022	2.8	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mr. K. SHARAN	XXXXXXX29E	M.E/M.Tech	ANNA UNIVERSITY	Power Engineering and Management	14/6/2023	1.9	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mrs. A.CHITRA	XXXXXXX50F	M.E/M.Tech	ANNA UNIVERSITY	Applied Electronics	19/06/2023	1.9	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mr. T P LAKSHMINARAYANAN	XXXXXXX03B	M.E/M.Tech	ANNA UNIVERSITY	Power Electronics and Drives	17/07/2024	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Dr. SWETHA SINGH	XXXXXXX64N	Ph.D	Manipal University	Electrical Engineering	17/07/2024	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Dr. S. VENKATESAN	XXXXXXX82P	Ph.D	ANNA UNIVERSITY	Electrical Engineering	15/06/2022	1.10	Associate Professor	Associate Professor	15/06/2022	Regular	No	08/05/2024	No
15	Mr. E. ARUNKUMAR	XXXXXXX55M	M.E/M.Tech	ANNA UNIVERSITY	Power System Engineering	11/08/2021	2.11	Assistant Professor	Assistant Professor		Regular	No	25/07/2024	No
16	Mr. R. PRAVEEN KUMAR	XXXXXXX28K	M.E/M.Tech	ANNA UNIVERSITY	Power Electronics and Drives	11/08/2021	2.11	Assistant Professor	Assistant Professor		Regular	No	25/07/2024	No
17	Ms.YOGASRI ALEX	XXXXXXX54D	M.E/M.Tech	ANNA UNIVERSITY	Power Electronics and Drives	03/05/2023	1.2	Assistant Professor	Assistant Professor		Regular	No	25/07/2024	No
18	Mrs. S. KAMATCHI	XXXXXXX11R	M.E/M.Tech	Sathyabama University	Power Electronics and Industrial Drives	21/06/2012	11.10	Assistant Professor	Assistant Professor		Regular	No	15/05/2024	No

19	Mrs. R.MAJUSHA	XXXXXX66P	M.E/M.Tech	ANNA UNIVERSITY	Power System Engineering	30/06/2023	1	Assistant Professor	Assistant Professor		Regular	No	25/07/2024	No
20	Dr.R.MAHALAKSHMI	XXXXXX84F	Ph.D	ANNA UNIVERSITY	Electrical Engineering	08/12/2020	2	Associate Professor	Associate Professor	08/12/2020	Regular	No	23/12/2022	No
21	Mrs. B.THAMIZHKANI	XXXXXX01A	M.E/M.Tech	ANNA UNIVERSITY	Power Electronics and Drives	26/06/2013	9.11	Assistant Professor	Assistant Professor		Regular	No	19/06/2023	No
22	Mr. S. SUBASH	XXXXXX46E	M.E/M.Tech	Annamalai University	Power System Engineering	02/06/2022	2.9	Assistant Professor	Assistant Professor		Regular	No	19/06/2023	No
23	Mr. S. NAGARAJAN	XXXXXX15P	M.E/M.Tech	PONDICHERRY UNIVERSITY	Power Electronics and Drives	11/08/2021	1.9	Assistant Professor	Assistant Professor		Regular	No	16/05/2023	No
24	Ms.S.NIRANCHANADEV	XXXXXX08Q	M.E/M.Tech	ANNA UNIVERSITY	Power Electronics and Drives	20/02/2013	10.2	Assistant Professor	Assistant Professor		Regular	No	16/05/2023	No
25	Dr. RAJSELVAN C	XXXXXX27B	Ph.D	Bharath University	Electrical and Electronics Engineering	28/03/2019	4.2	Associate Professor	Associate Professor	28/03/2019	Regular	No	19/06/2023	No
26	Ms RAMYA C	XXXXXX67D	M.E.	Anna University	Power Electronics and Drives	11/12/2019	4.7	Assistant Professor	Assistant Professor		Regular	No	25/07/2024	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(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1.B	61	65	66
UG1.C	65	66	60

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1.D	66	60	66
UG1: Electrical and Electronics Engineering	192	191	192
PG1.A	18	18	18
PG1.B	18	18	18
PG1: Power Electronics and Drives	36	36	36
DS=Total no. of students in all UG and PG programs in the Department	228	227	228
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= 228	S2= 227	S3= 228
DF=Total no. of faculty members in the Department	13	17	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= 13	F2= 17	F3= 17
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	2	2
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 17.54	SFR2= 15.13	SFR3= 15.20
Average SFR for 3 years	SFR= 15.96		

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]
2024-25(CAY)	4	9	11.00	17.27
2023-24(CAYm1)	3	14	11.00	19.55
2022-23(CAYm2)	3	14	11.00	19.55

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

2024-25	1.00	2.00	3.00	1.00	8.00	10.00
2023-24	1.00	1.00	3.00	2.00	8.00	14.00
2022-23	1.00	1.00	3.00	2.00	8.00	14.00
Average	RF1=1.00	AF1=1.33	RF2=3.00	AF2=1.67	RF2=8.00	AF2=12.67

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)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.Gopi V	Director	SKMT Pvt Ltd, Tirupattur	Modern VLSI Design	56.00
2	Mr. Krishna	Technical Trainer	Anudip Foundation, Nungampakkam, Chennai.	Soft Skill Training	72.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.Tamilmaran M	Technical Leader	LIFT India, Chennai.	PCB DESIGN AND FABRICATION	56.00
2	Mr. Malvino	Technical Leader	LIFT India, Chennai	SCADA Developments	56.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.S.Sivakumar	Project Manager,	Green Solar Technology Madurai	Renewable Energy Technologies	56.00
2	Dr.B.Ezhilavan	CEO	VEI Technologies, Chennai.	IOT system Design and Development	56.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)
1	No. of peer reviewed journal papers published	2	0	4
2	No. of peer reviewed conference papers published	8	7	6
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.E.Baraneetharan	Mrs.A.Chitra	EEE	IoT based automatic generator control	Orbit Edutech Pvt. Ltd.,	1 year	2.50
						Amount received (Rs.):2.50

(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.Balamurugan	Mrs.B.Tamizhkani	EEE	Wireless audio transfer system for class rooms	Cosmo Gems (P) Ltd.,	1 year	1.50
						Amount received (Rs.):1.50

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.S.Balamurugan	Mrs.B.Tamizhkani	EEE	Automatic solar panel control	Real time Teachnosoft	1 year	1.50
						Amount received (Rs.):1.50

Total Amount (Lacs) Received for the Past 3 Years: 5.50

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.E.Baraneetharan	Mrs.A.Chitra	EEE	Industrial Energy Audit	Green Solar Technology, Coimbatore	6 Months	1.50
						Amount received (Rs.):1.50

(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.Balamurugan	Mrs.Thamizhkani	EEE	IoT Based solar power air purifier and monitoring system	Dhanalaksh mi Srinivasan Medical college & Hospital	1 year	2.00
Dr.S.Balamurugan	Mrs.K.Kamatchi	EEE	Energy Audit	Shree Basaveshwar Sugars Limited,	1 year	2.50
						Amount received (Rs.):4.50

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.C.Rajaselvan		EEE	Arm Processor Based Speed Control technique for bio-medical equipment	Electro Solar Solution	1 Year	1.00
Dr.R.Mahalakshmi		EEE	Design and Implementatio n of Solar- Wind Hybrid System	Orbit Control and Services	1 Year	2.10
						Amount received (Rs.):3.10

Total amount (Lacs) received for the past 3 years: 9.10

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. E. Baraneetharan	IOT based college board room automation system	3 months	1.00	1.00	Automated Scenarios, Energy Savings , Reduced Human Effort
Mr. Rajaram	SVPWM Technique based on FPGA for multilevel VSI controlled Induction motor.	3 months	0.50	0.50	Reduce the hot switch and improve the overall performance of I.M
			Amount received (Rs.): 1.50		

(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
Mrs.Kamatchi	IoT based solar power monitoring system.	3 months	0.50	0.50	Able to know the power utilization through internet.
Mr. S.Subash	Animal train accident detection	3 months	0.75	0.75	Automatic siren and breaking system adopted.
			Amount received (Rs.): 1.25		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr.R.Mahalakshmi	Advanced women safety system using IoT technology.	3 months	0.75	0.75	Gives safety alarm and GSM enabled.
Mr.Praveen Kumar	Smart water leak controller in metro water supply line.	3 months	1.00	1.00	Detect leakage in underground water line with alarm
Dr.S.Balamurugan	GPS enabled generator change over system	6 months	2.00	2.00	ON/OFF system for generator with out manpower
			Amount received (Rs.): 3.75		

Total amount (Lacs) received for the past 3 years : 6.50

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	Electrical Machines Laboratory	30	DC Machines, Single phase and Three Phase AC Machines, Three phase inductive load	60%	Mr.S.Parasuraman	Technical Assistant	B. E
2	Power Electronics and Drives Laboratory	30	Phase controlled rectifier, Cycloconverter, DC Choppers, Single and three phase inverters	60%	Mr.S.Saravanan	Technical Assistant	B. E
3	Power System Simulation Laboratory	30	Personal Computers, Laser Printer, MATLAB/ ETAP / PSPICE / SCI lab	80%	Mr.K.Dhinesh	Technical Assistant	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	Electrical Machines Lab	1. Electrical Machines, Transformers, Loads, Meters etc., are checked periodically by Technicians. 2. Wirings are checked at regular intervals in order to avoid voltage fluctuations. 3. Ageing of the machines are reduced by routine inspections and maintenance. 4. Cleaning of machines is carried out regularly.
2	Power Electronics Lab	1. Trainer kits are serviced in regular intervals. 2. Wirings are checked at regular intervals in order to avoid voltage fluctuations. 3. Cleaning of the Kits and workbenches are done frequently.

3	Power System Simulation Lab	1. Software's are updated at regular intervals based on its evolutions. 2. Computers and Kits for Experiments are serviced in order to avoid malware and other factors. 3. LANs, WLANs are checked by networking team to have better performance. 4. Air Conditioners are serviced habitually. 5. Cleaning the monitors and laboratories regularly.
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D3. Project Laboratory/Research Laboratory

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
2022-23(CAYm2)	780	39	35	3	73
2023-24(CAYm1)	960	48	54	3	91
2024-25(CAY)	1350	68	42	5	51

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 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	Budgeted in 2021-22	Actual Expenses in 2021-22 till
Infrastructure Built-Up	60000000	59378338	33500000	33211397	59600000	9551940	26700000	26520998
Library	3280000	3251137	3000000	2931050	835000	834710	750000	755064
Laboratory equipment	13300000	13182500	15300000	15250775	6400000	6389030	580000	575035
Teaching and non-teaching staff salary	180000000	172341900	150000000	149167442	123000000	121503205	120000000	111025698
Outreach Programs	300000	277881	100000	88824	150000	130828	150000	137859
R&D	500000	486213	270000	266473	2250000	2244902	350000	351150
Training, Placement and Industry linkage	400000	386542	1050000	1033218	30000	27500	240000	235408
SDGs	600000	618674	500000	481300	500000	436441	350000	337559

Entrepreneurship	165000	162348	200000	182332	90000	83423	40000	41542
Others, University	9000000	8741160	8000000	7684078	5000000	4800353	2100000	2055490
Total	267545000	258826693	211920000	210296889	197855000	146002332	151260000	142035803

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 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	Budgeted in 2021-22	Actual Expenses in 2021-22 till
Laboratory equipment	800000	787737	60000	58876	40000	35216	35000	34725
Software	0	0	0	0	0	0	0	0
SDGs	20000	11052	10000	15512	10000	9825	5000	4340
Support for faculty development	50000	48040	50000	46800	40000	34381	20000	15867
R & D	20000	19012	15000	11475	15000	14644	14000	13193
Industrial Training, Industry expert, Internship	40000	38700	50000	40245	40000	39170	20000	18016
Miscellaneous Expenses*	10000	9450	10000	9600	10000	9500	5000	4500
Total	940000	913991	195000	182508	155000	142736	99000	90641