

NATIONAL BOARD OF ACCREDITATION

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

Note: To save Data Capturing Points as PDF Please click on print button and select destination as 'Save as PDF'. PLEASE SELECT LANDSCAPE MODE. 

Program Name : Electrical and Electronics Engineering	Discipline: Engineering & Technology
Level : Under Graduate	Tier: 2
Application No: 12190	Date of Submission: 22-09-2026

PART A- Profile of the Institute

A1.Name of the Institute: DMI COLLEGE OF ENGINEERING	
Year of Establishment : 2001	Location of the Institute: MEVALURKUPPAM B VILLAGE
A2. Institute Address: DMI COLLEGE OF ENGINEERING MEVALURKUPPAM B VILLAGE NAZARETHPET POST PALANCHOOR KANCHIPURAM DISTRICT	
City: CHENNAI	State: Tamil Nadu
Pin Code: 600123	Website: www.dmice.ac.in
Email: ADMIN@DMICE.AC.IN	Phone No(with STD Code): 044-26811542
A3. Name and Address of the Affiliating University (if any):	
Name of the University :	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: 9
- No. of PG programs: 7

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Computer Application	PG	Master of Computer Application	2006	2015	Computer Application
2	Engineering & Technology	UG	Aeronautical Engineering	2006	2008	Aeronautical Engineering
3	Engineering & Technology	PG	Applied Electronics	2013	2020	Electronics and Communication Engineering
4	Engineering & Technology	UG	Artificial Intelligence and Data Science	2021	--	Artificial Intelligence and Data Science
5	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2023	--	Computer Science and Engineering
6	Engineering & Technology	UG	Civil Engineering	2025	--	Civil Engineering
7	Engineering & Technology	PG	Communication Systems	2009	--	Electronics and Communication Engineering
8	Engineering & Technology	PG	Computer Science & Engineering	2007	--	Computer Science and Engineering

9	Engineering & Technology	UG	Computer Science & Engineering	2001	--	Computer Science and Engineering
10	Engineering & Technology	UG	Electrical & Electronics Engineering	2002	--	Electrical and Electronics Engineering
11	Engineering & Technology	UG	Electronics & Communication Engineering	2001	--	Electronics and Communication Engineering
12	Engineering & Technology	UG	Information Technology	2001	--	Information Technology
13	Engineering & Technology	UG	Mechanical Engineering	2009	--	Mechanical Engineering
14	Engineering & Technology	PG	Power Electronics & Drives	2009	--	Electrical and Electronics Engineering
15	Engineering & Technology	PG	Thermal Engineering	2021	--	Mechanical Engineering
16	Management	PG	Master of Business Administration	2006	--	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
Electrical and Electronics Engineering	No	Electrical & 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
1	Electrical & Electronics Engineering	UG	2002 / --	60	Yes	2025	30	2025	F.NO:southern/1-44641241273/2025/EOA	Applying first time	--	--	0

Sanctioned Intake for Last Five Years for the Power Electronics & Drives

Academic Year	Sanctioned Intake
2025-26	30
2024-25	60
2023-24	60
2022-23	60
2021-22	60
2020-21	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. SENTHIL RAMA R
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)	30	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	14	18	29	32	28	13	21
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	3	0	4	1	3	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.	14	21	29	36	29	16	21

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)	30	14	0	46.67
2024-25 (CAYm1)	60	18	0	30.00
2023-24 (CAYm2)	60	29	0	48.33

Average [(ER1 + ER2 + ER3) / 3] = 41.67≅ 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	(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).	61.00	63.00	60.00
B=No. of students who graduated from the program in the stipulated course duration	19.00	9.00	15.00

Success Rate (SR)= (B/A) * 100	31.15	14.29	25.00
--------------------------------	-------	-------	-------

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 23.48

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)	7.57	6.90	5.91
Y=Total no. of successful students	18.00	22.00	30.00
Z=Total no. of students appeared in the examination	18.00	29.00	32.00
API [X*(Y/Z)]	7.57	5.23	5.54

Average API[(AP1+AP2+AP3)/3] : 6.11

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 2nd year/10)	7.59	7.55	7.58
Y=Total no. of successful students	22.00	30.00	26.00
Z=Total no. of students appeared in the examination	22.00	34.00	27.00
API [X * (Y/Z)]	7.59	6.66	7.30

Average API [(AP1 + AP2 + AP3)/3] : 7.18

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)	7.98	7.39	7.69
Y=Total no. of successful students	30.00	26.00	13.00
Z=Total no. of students appeared in the examination	30.00	26.00	13.00
API [X*(Y/Z)]:	7.98	7.39	7.69

Average API [(AP1 + AP2 + AP3)/3] : 7.69

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	61.00	63.00	60.00
X=No. of students placed	25.00	11.00	16.00
Y=No. of students admitted to higher studies	0.00	0.00	4.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	40.98	17.46	33.33

Average Placement Index = (P_1 + P_2 + P_3)/3: 30.59 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. SENTHIL RAMA R	XXXXXXX95D	Ph.D	ANNA UNIVERSITY	ELECTRICAL ENGINEERING	06/07/2022	4.2	Professor	Professor	06/07/2022	Regular	Yes		Yes
2	Dr K G REVATHI	XXXXXXX69P	Ph.D	BHARATH UNIVERSITY	ELECTRICAL ENGINEERING	01/10/2025	0.11	Professor	Professor	01/10/2025	Regular	Yes		No
3	MR. G. CHANDRAN	XXXXXXX84N	M.E.	ANNA UNIVERSITY	CONTROL AND INSTRUMENTATION	14/12/2018	7.9	Assistant Professor	Assistant Professor		Regular	Yes		No
4	MS KAVITHA D	XXXXXXX22I	M.E.	ANNA UNIVERSITY	POWER ELECTRONICS AND INSTRIAL DRIVES	02/02/2023	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No
5	MS MONIKA G	XXXXXXX59N	M.E.	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	19/06/2024	2.2	Assistant Professor	Assistant Professor		Regular	Yes		No
6	MS G. VIJAYA	XXXXXXX64G	M.E.	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	19/01/2019	7.8	Assistant Professor	Assistant Professor		Regular	Yes		No
7	MS DELPHIN CINTHIYA J	XXXXXXX84H	M.E.	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	23/09/2022	3.11	Assistant Professor	Assistant Professor		Regular	Yes		No
8	MS CHRISTY PRICILLA D	XXXXXXX25E	M.E.	SAVITHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCE	POWER SYSTEMS	17/02/2021	5.3	Assistant Professor	Assistant Professor		Regular	No	10/06/2026	No
9	MS MYTHILI G	XXXXXXX79J	M.E.	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	17/02/2021	5.5	Assistant Professor	Assistant Professor		Regular	No	30/07/2026	No
10	Ms USHANANDHINI	XXXXXXX79L	M.E.	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	02/02/2023	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No

11	Ms. SUDHA MERILN	XXXXXXX37R	M.E.	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	02/02/2023	3.5	Assistant Professor	Assistant Professor		Regular	No	08/07/2026	No
12	MS K JENIFER	XXXXXXX81K	M.E.	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	08/08/2025	1	Assistant Professor	Assistant Professor		Regular	No	10/08/2026	No
13	DR T D SAIRAM	XXXXXXX92J	Ph.D	ANNA UNIVERSITY	IMAGE PROCESSING	01/10/2025	0.11	Professor	Professor	01/10/2025	Regular	Yes		No
14	MS.JASMINE ANANTHI M	XXXXXXX33F	M.E.	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	06/10/2025	0.11	Assistant Professor	Assistant Professor		Regular	Yes		No
15	DR.RAMPRIYA B	XXXXXXX87L	Ph.D	ANNA UNIVERSITY	POWER SYSTEMS ENGINEERING	09/02/2023	1.10	Professor	Professor	02/09/2023	Regular	No	04/01/2025	No
16	MR KARTHIKEYAN A	XXXXXXX56J	M.E.	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	01/07/2024	1	Assistant Professor	Assistant Professor		Regular	No	29/07/2025	No
17	MR VENKATESAN S	XXXXXXX35D	M.E.	ANNA UNIVERSITY	CONTROL AND INSTRUMENTATION	19/02/2021	3.6	Assistant Professor	Assistant Professor		Regular	No	30/08/2024	No
18	DR ALWIN STAR	XXXXXXX32N	Ph.D	ANNA UNIVERSITY	ELECTRICAL ENGINEERING	12/07/2023	1.1	Assistant Professor	Assistant Professor		Regular	No	29/08/2024	No
19	DR M ARUMUGA BABU	XXXXXXX51B	Ph.D	ANNA UNIVERSITY	ELECTRICAL ENGINEERING	10/07/2024	1.9	Professor	Professor	10/07/2024	Regular	No	08/05/2026	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 yearStudent 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	63	60	64

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.C	60	64	61
UG1.D	64	61	63
UG1: Electrical & Electronics Engineering	187	185	188
PG1.A	12	12	12
PG1.B	12	12	12
PG1: Power Electronics & Drives	24	24	24
DS=Total no. of students in all UG and PG programs in the Department	211	209	212
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= 211	S2= 209	S3= 212
DF=Total no. of faculty members in the Department	12	12	12
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= 12	F2= 12	F3= 12
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 17.58	SFR2= 17.42	SFR3= 17.67
Average SFR for 3 years	SFR= 17.56		

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 = $2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	2	10	10.00	15.00
2024-25(CAYm1)	2	10	10.00	15.00
2023-24(CAYm2)	3	9	10.00	16.50

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = $1/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents:}$
- RF2= No. of Associate Professors required = $2/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:}$
- RF3= No. of Assistant Professors required = $6/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:}$
- 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 RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	2.00	2.00	0.00	7.00	10.00

2024-25	1.00	2.00	2.00	0.00	7.00	10.00
2023-24	1.00	1.00	2.00	1.00	7.00	10.00
Average	RF1=1.00	AF1=1.67	RF2=2.00	AF2=0.33	RF2=7.00	AF2=10.00

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	11	2	5
2	No. of peer reviewed conference papers published	5	6	3
3	No. of books/book chapters published	2	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. R. Senthil Rama	G.Vijaya	EEE Department	THD-Aware Director Control strategy for PMSM in EV	AIROBO Infinty Private Limited	3 Years	6.20
						Amount received (Rs.):6.20

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

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

Total Amount (Lacs) Received for the Past 3 Years: 6.20

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
Mr.G.Chandran	-	EEE Department	Development of an Employee Management system	TENAM Solutions	5 Months	2.43
						Amount received (Rs.):2.43

(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. R. Senthil Rama	-	EEE Department	Design and Performance analysis of a Solar PV Power Generation System.	Mokshitha enterprises	6 Months	2.90
						Amount received (Rs.):2.90

(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
Ms.G.Vijaya	-	EEE Department	Industrial Power Factor Improvement and Energy Management	Excel Solution Providers Pvt. Ltd	3 Months	0.95
						Amount received (Rs.):0.95

Total amount (Lacs) received for the past 3 years: 6.28

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. B. Ram Priya	Micro Grid with Renewable Energy source/ For a student Project	6 Months	2.40	2.40	1.Successful Completion Project. 2.Presenting Paper in Conference.
			Amount received (Rs.): 2.40		

(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.S.Venkatesan	Linear and non-linear controllers for Control system/ To Pursue Research	6 Months	2.20	2.20	1.Buying Equipment, Outsource testing. 2.Presenting the data in conference, Journal.
			Amount received (Rs.): 2.20		

(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. S Vetrivelan	Soft Computing Based Special machines/To Complete Research through Hard Ware Implementation	1 year	2.10	2.10	1.Ph.d Completed 2.Research paper Published
			Amount received (Rs.): 2.10		

Total amount (Lacs) received for the past 3 years : 6.70

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 – I	30	1. DC Shunt Motor-Generator Set , 2. DC Compound Motor-Generator Set , 3. Single-Phase and Three-Phase Auto Transformer , 4. DC Motor	6 hrs	Mr.S.Justin Jayakumar	Lab Assistant	I.T.I
2	Electrical Machines Laboratory –II	30	1. DC Shunt Motor Coupled with 3-Phase Alternator , 2. DC Shunt Motor Coupled with 3-Phase Slip Ring Induction Motor , 3. 3-Phase	6 hrs	Mr.S.Justin Jayakumar	Lab Assistant	I.T.I

3	Electrical Devices and Circuits Laboratory	30	1. Cathode Ray Oscilloscope (30MHz) , 2. Dual Regulated Power Supplies (2 A,0 – 30V) , 3. Function Generator (30MHz) , 4. Breadboard	6 hrs	Mr. Pitchai Maria Karol	Lab Assistant	B.E - ECE
4	Power Electronics Laboratory	30	1. Cathode Ray Oscilloscope (30MHz) , 2. Function Generators (3 MHz) , 3. Dual Regulated Power Supplies (2 A,0 – 30V) , 4. MOSFET based circuit	6 hrs	Ms.T.Jeya Sujitha	Lab Assistant	B.E - EEE
5	Control Systems Laboratory	30	1. MATLAB / Simulink , 2. PSPICE , 3. High-Performance Desktop PCs Online UPS Systems	4 hrs	Ms.T.Jeya Sujitha	Lab Assistant	B.E - EEE
6	Microprocessor and Microcontroller Laboratory	30	1. 8086 Microprocessor kits , 2. 8051 Microcontroller kits , 3. ADC Interfacing board DAC Interfacing board , 4. 8030 kit based System	6 hrs	Mr.B.SenthilKumar	Lab Assistant	D.EEE
7	Power Systems Simulation Laboratory	30	1. MATLAB / Simulink , 2. PSPICE , 3. High-Performance Desktop PCs , 4. Online UPS System , 5. Digital Oscilloscope	4 hrs	Ms.M.Sutha	Lab Assistant	M.Sc - CS
8	Linear Integrated Circuits Laboratory	30	1. DC Regulated Power Supply, 2. Digital Trainer KIT, Digital Multimeter (DMM) , 3. Cathode Ray Oscilloscope (30MHz) , 4. Digital Multimeter	6 hrs	Mr.Pitchai Maria Karol	Lab Assistant	B.E - ECE
9	Engineering Practices Laboratory	30	1. AC/DC Ammeters, Voltmeters and Wattmeter , 2. Megger for testing insulation resistance, 3. Digital Multimeter	12 hrs	Mr.S.Gasper	Lab Assistant	D.M.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 Laboratory –I & II	• Do's and Don'ts and electrical safety instructions are displayed. • Proper earthing and electrical protection are provided. • Students are instructed to switch OFF the supply before making circuit connections. • First-aid box and fire extinguisher are available. • Students are instructed to wear appropriate laboratory attire and avoid loose clothing. • Machines and rotating parts are operated only under faculty/technical staff supervision. • Emergency power isolation facilities are provided.
2	Electrical Devices and Circuits Laboratory	• Safety instructions and Do's and Don'ts are displayed. • Proper earthing and protected power supply are provided. • Students are instructed to verify circuit connections before energizing the circuit. • Power supply is switched OFF before modifying connections. • First-aid box and fire extinguisher are available. • Insulated wires, leads, and properly rated components are used. • Laboratory work is carried out under faculty/technical staff supervision.
3	Power Electronics Laboratory	• Electrical safety instructions are displayed and explained to students. • Proper earthing and circuit protection are provided. • Students are instructed to check polarity and circuit connections before energizing power electronic circuits. • Adequate precautions are taken while handling high-current and high-voltage circuits. • Heat sinks and suitable cooling arrangements are provided wherever required. • First-aid box and fire extinguisher are available. • Experiments are conducted under faculty/technical staff supervision.
4	Control Systems Laboratory	• Do's and Don'ts and safety instructions are displayed. • Proper electrical earthing and protected power supplies are provided. • Students are instructed to check wiring before switching ON the equipment. • Equipment is operated according to prescribed procedures. • Electrical connections are modified only after switching OFF the supply. • First-aid box and fire extinguisher are available. • Computers and laboratory equipment are protected through appropriate power backup and protection systems.
5	Microprocessor and Microcontroller Laboratory	• Safety instructions and Do's and Don'ts are displayed. • Proper earthing and regulated power supplies are provided. • Students are instructed to verify circuit connections and supply voltage before operation. • Precautions are taken to prevent short circuits and reverse polarity. • ESD-sensitive electronic components are handled carefully. • First-aid box and fire extinguisher are available. • Computers, development boards, and electronic kits are operated under supervision.

6	Power Systems Simulation Laboratory	• Do's and Don'ts and safety instructions are displayed. • Properly maintained computer systems and regulated power supplies are used. • Students are instructed to verify simulation parameters and circuit/system configurations before execution. • Proper precautions are taken to avoid electrical hazards and damage to computer and laboratory equipment. • Licensed and updated simulation software is used for laboratory activities. • First-aid box and fire extinguisher are available. • Experiments are conducted under faculty/technical staff supervision.
7	Linear Integrated Circuits Laboratory	• Do's and Don'ts and safety instructions are displayed. • Regulated and protected power supplies are used. • Students are instructed to verify IC pin configurations and circuit connections before powering the circuit. • Proper precautions are taken to avoid short circuits and component damage. • ESD-sensitive devices are handled carefully. • First-aid box and fire extinguisher are available. • Experiments are conducted under faculty/technical staff supervision.
8	Engineering Practices Laboratory	• Do's and Don'ts and safety instructions are displayed. • Properly maintained electrical tools, wiring accessories, and workshop equipment are used. • Students are instructed to verify tools, wiring connections, and equipment condition before starting the experiment. • Proper precautions are taken to avoid electric shock, short circuits, and accidental injuries. • Personal protective equipment and appropriate safety practices are followed during practical work. • First-aid box and fire extinguisher are available. • Experiments are conducted under faculty/technical staff supervision.

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 $((NS1 \times 0.8) + (NS2 \times 0.2)) / (\text{No. of required faculty (RF4)})$; Percentage = $((NS1 \times 0.8) + (NS2 \times 0.2)) / RF$
2023-24(CAYm2)	480	24	2	0	7
2024-25(CAYm1)	540	27	2	0	6
2025-26(CAY)	540	27	2	0	6

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	0	0	0	0	0	0	0	0
Library	2500000.00	247600.00	225500.00	215849.00	39067200.00	384794.00	210500.00	206817.00
Laboratory equipment	1612500.00	1542700.00	1725600.00	1693087.00	870500.00	849928.00	4595000.00	4455949.00

Teaching and non-teaching staff salary	69000600.00	68433700.00	66764584.00	63534900.00	65400000.00	63806503.00	57900000.00	55738102.00
Outreach Programs	380300.00	374456.00	330000.00	311275.00	300000.00	274245.00	220000.00	202326.00
R&D	840000.00	826765.00	760000.00	739662.00	2214000.00	2127118.00	1450000.00	1394940.00
Training, Placement and Industry linkage	1600500.00	1567893.00	1400000.00	1336340.00	1400000.00	1287349.00	1150000.00	1050098.00
SDGs	300000.00	285879.00	270000.00	240325.00	210000.00	207653.00	210000.00	197675.00
Entrepreneurship	300000.00	278987.00	250000.00	223562.00	220000.00	196289.00	180000.00	167432.00
Others, (SDPs, educational and maintenance expenses	58268000.00	57434324.00	52979316.00	53269504.00	17278300.00	48039723.60	50401680.00	47287056.00
Total	134801900.00	130992304.00	124705000.00	121564504.00	126960000.00	117173602.60	116317180.00	110700395.00

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	640000.00	617500.00	35000.00	33200.00	30000.00	29700.00	30000.00	27800.00
Software	0	0	0	0	0	0	0	0
SDGs	40300.00	35680.00	35000.00	32600.00	32300.00	30100.00	29800.00	28700.00
Support for faculty development	173800.00	170200.00	170000.00	167700.00	166900.00	165300.00	162500.00	160500.00
R & D	312600.00	310750.00	300000.00	290700.00	280400.00	270300.00	260700.00	250400.00
Industrial Training, Industry expert, Internship	200000.00	194500.00	172000.00	171200.00	150500.00	125467.00	43600.00	40653.00
SDPs, educational and maintenance expenses	2558400.00	2552500.00	2464700.00	2440300.00	2760000.00	2749200.00	2730200.00	2667800.00
Total	3925100.00	3881130.00	3176700.00	3135700.00	3420100.00	3370067.00	3256800.00	3175853.00