NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electrical & Electronics Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 11518	**Date of Submission**: 23-01-2026

PART A- Profile of the Institute

A1.Name of the Institute: KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 2009	Location of the Institute: Coimbatore
A2. Institute Address:S.F No. 204/2, 204/4, Arasur,Coimbatore	
City:Coimbotore	State:Tamil Nadu
Pin Code:641407	Website:www.kpriet.ac.in
Email:principal@kpriet.ac.in	Phone No(with STD Code):0422-2635600
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Anna University Chennai	City: Chennai
State : Tamil Nadu	Pin Code: 600025
A4. Type of the Institution: Autonomous CAY(2019-20)	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **13**
- No. of PG programs: **6**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Artificial Intelligence and Data Science
2	Engineering & Technology	UG	Biomedical Engineering	2017	--	Biomedical Engineering
3	Engineering & Technology	PG	CAD/CAM	2012	--	Mechanical Engineering
4	Engineering & Technology	UG	Chemical Engineering	2018	--	Chemical Engineering
5	Engineering & Technology	UG	Civil Engineering	2009	--	Civil Engineering
6	Engineering & Technology	UG	Computer Science and Business System	2022	--	Computer Science and Business System

7	Engineering & Technology	UG	Computer Science and Engineering	2010	--	Computer Science and Engineering
8	Engineering & Technology	PG	Computer Science and Engineering	2014	--	Computer Science and Engineering
9	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2022	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
10	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2025	--	Computer Science and Engineering (Cyber Security)
11	Engineering & Technology	PG	Data Sciences	2025	--	Artificial Intelligence and Data Science
12	Engineering & Technology	UG	Electrical and Electronics Engineering	2009	--	Electrical and Electronics Engineering
13	Engineering & Technology	UG	Electronics & Communication Engineering	2009	--	Electronics and Communication Engineering
14	Engineering & Technology	UG	Information Technology	2022	--	Information Technology
15	Engineering & Technology	UG	Mechanical Engineering	2009	--	Mechanical Engineering
16	Engineering & Technology	UG	Mechatronics Engineering	2022	--	Mechatronics Engineering
17	Engineering & Technology	PG	Structural Engineering	2014	--	Civil Engineering
18	Engineering & Technology	PG	VLSI Design	2012	--	Electronics and Communication Engineering
19	Management	PG	Master of Business Administration	2024	--	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	Yes	Computer Science and Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG
Mechanical Engineering	Yes	Mechanical Engineering	UG

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.

Cluster ID. Name of the Department (in table no. A7.1) Name of allied Departments/Cluster (for table no. A7.1)

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:
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.K.Mohana Sundaram
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	60	60	60	120	120	120
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	60	60	60	60	119	116	65
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	5	5	6	10	13	22
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	11	10	9	5	5	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	71	75	74	71	134	129	87

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	60	11	118.33
2024-25 (CAYm1)	60	60	10	116.67
2023-24 (CAYm2)	60	60	9	115.00

Average [(ER1 + ER2 + ER3) / 3] = 116.67≡ 100

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).	134.00	133.00	142.00
B=No. of students who graduated from the program in the stipulated course duration	119.00	125.00	86.00

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 81.12

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

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

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
Mean of CGPA or mean percentage of all successful students(X)	7.97	7.93	7.81
Y=Total no. of successful students	61.00	64.00	59.00
Z=Total no. of students appeared in the examination	70.00	69.00	65.00
API [X*(Y/Z)]	6.99	7.36	7.11

Average API[(AP1+AP2+AP3)/3] : 7.15

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)	7.98	7.87	7.83
Y=Total no. of successful students	67.00	65.00	120.00
Z=Total no. of students appeared in the examination	69.00	65.00	128.00
API [X * (Y/Z)]	7.75	7.87	7.34

Average API [(AP1 + AP2 + AP3)/3] : 7.65

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)	7.91	7.85	7.96
Y=Total no. of successful students	63.00	119.00	125.00
Z=Total no. of students appeared in the examination	65.00	120.00	127.00
API [X*(Y/Z)]:	7.67	7.78	7.83

Average API [(AP1 + AP2 + AP3)/3] : 7.76

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	130.00	133.00	142.00
X=No. of students placed	112.00	115.00	75.00
Y=No. of students admitted to higher studies	5.00	6.00	3.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	90.00	90.98	54.93

Average Placement Index = (P_1 + P_2 + P_3)/3: 78.64 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.K.Mohana Sundaram	XXXXXXX85E	Ph.D	Anna University, Chennai	High Voltage Engineering, Renewable Energy Sources	28/08/2020	5.4	Professor	Professor	28/08/2020	Regular	Yes		Yes

2	Dr.V.S.Chandrika	XXXXXXX06D	Ph.D	Anna University, Chennai	Power Electronics, Energy Engineering	12/04/2019	6.9	Associate Professor	Professor	01/08/2022	Regular	Yes		No
3	Dr.C.Pazhanimuthu	XXXXXXX01J	Ph.D	Anna University, Chennai	High Voltage Engineering, IoT, Soft Computing	03/12/2018	7.1	Assistant Professor	Associate Professor	01/08/2023	Regular	Yes		No
4	Dr.G.Saravanan	XXXXXXX58F	Ph.D	Anna University, Chennai	Applied Electronics, Bio Inspired Algorithm, AI	19/06/2009	16.7	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Dr.I.Baranilingesan	XXXXXXX17B	Ph.D	Anna University, Chennai	Process Control, Instrumentation, Power Electronics	02/05/2019	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Dr.S.Ravindran	XXXXXXX62E	Ph.D	Anna University, Chennai	Power Systems, Electric Vehicle, Smart Grid	08/06/2020	5.7	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Dr.T.Ramesh Kumar	XXXXXXX38A	Ph.D	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai	Embedded Systems	01/06/2023	2.7	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Dr.P.Ravikumar	XXXXXXX50N	Ph.D	Anna University, Chennai	Electrical Drives and Embedded Control	07/06/2017	8.7	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Dr.A.Mohamed Ibrahim	XXXXXXX63F	Ph.D	Anna University, Chennai	Power Systems, Electrical Machines, IoT	11/06/2012	13.7	Assistant Professor	Assistant Professor		Regular	Yes		No

10	Dr.C.Dinesh	XXXXXXX32M	Ph.D	Anna University, Chennai	Control and Automation, Signal Processing, Embedded Systems	03/06/2019	6.7	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Dr.B.Lalitha	XXXXXXX41P	Ph.D	Anna University, Chennai	Power Electronics and Drives, Renewable Energy	06/06/2013	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Ms.R.Revathi	XXXXXXX02D	M.E.	Anna University, Chennai	Power Electronics and Drives	01/06/2012	13.7	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mr.V.Kamalkumar	XXXXXXX12R	M.E.	Anna University, Chennai	VLSI Design, Embedded Systems, Genetic Algorithms	18/12/2017	8.1	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mr.C.J.Vignesh	XXXXXXX13H	M.E.	Anna University, Chennai	Power Electronics, Electrical Machines, High Voltage Engineering	15/06/2018	7.7	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Mr.K.Balamurugan	XXXXXXX29D	M.E.	Anna University, Chennai	Applied Electronics, Electric Vehicles	01/08/2020	5.5	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Mr.M.Mohanasundaram	XXXXXXX92M	M.E.	Anna University, Chennai	Power Electronics and Industrial Drives, Control Systems	06/08/2020	5.5	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Mr.G.Xavier Richards	XXXXXXX82E	M.E.	Anna University, Chennai	Power Electronics and Drives	27/06/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Dr.P.Pandiyan	XXXXXXX95N	Ph.D	National Institute of Technology, Tiruchirappalli	VLSI Design, MEMS, Renewable Energy Sources	20/08/2020	4.9	Associate Professor	Associate Professor	20/08/2020	Regular	No	31/05/2025	No

19	Dr.A.Karthick	XXXXXXX76G	Ph.D	Anna University, Chennai	Energy Engineering, Solar Photovoltaic, Bioenergy	06/02/2019	6.2	Assistant Professor	Associate Professor	19/02/2021	Regular	No	30/04/2025	No
20	Dr.V.Parimala	XXXXXXX61M	Ph.D	Anna University, Chennai	Power Electronics and Drives,	19/08/2021	3.9	Assistant Professor	Associate Professor	01/08/2023	Regular	No	31/05/2025	No
21	Dr.R.Sampathkumar	XXXXXXX84G	Ph.D	Anna University, Chennai	Power Electronics, AC & DC Drives	06/06/2019	4.10	Assistant Professor	Assistant Professor		Regular	No	30/04/2024	No
22	Dr.D.Sathish Kumar	XXXXXXX76P	Ph.D	Anna University, Chennai	VLSI Design, Power Electronics, Power Systems	15/06/2012	12	Assistant Professor	Assistant Professor		Regular	No	24/06/2024	No
23	Dr.A.Rakesh Kumar	XXXXXXX84Q	Ph.D	Vellore Institute of Technology, Vellore	Power Electronics and Drives, Renewable Energy	25/08/2022	1.9	Assistant Professor	Assistant Professor		Regular	No	24/06/2024	No
24	Dr.P.Naveen	XXXXXXX98B	Ph.D	Kalasalingam Academy of Research and Education, Rajapalayam	Power Electronics and Drives, Image Processing	22/05/2023	1.6	Assistant Professor	Assistant Professor		Regular	No	30/11/2024	No
25	Dr.N.Prakash	XXXXXXX92D	Ph.D	Anna University, Chennai	Nanoscience and Technology	26/08/2022	1.9	Assistant Professor	Assistant Professor		Regular	No	24/06/2024	No
26	Dr.Rangu Seshu Kumar	XXXXXXX86D	Ph.D	National Institute of Technology, Silchar	Power Systems, Micro Grid, Renewable Energy	26/08/2022	1.8	Assistant Professor	Assistant Professor		Regular	No	14/05/2024	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 Department0

Table No.C2.1: Student-faculty ratio.

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B	65	65	66
UG1.C	65	66	132
UG1.D	66	132	132
UG1: Electrical and Electronics Engineering	**196**	**263**	**330**
DS=Total no. of students in all UG and PG programs in the Department	196	263	330
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=** 196	**S2=** 263	**S3=** 330
DF=Total no. of faculty members in the Department	17	20	26
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=** 17	**F2=** 20	**F3=** 26
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 12.25**	**SFR2= 13.84**	**SFR3= 13.20**
Average SFR for 3 years	**SFR= 13.10**		

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)	10	7	9.00	35.56
2024-25(CAYm1)	12	8	13.00	29.23
2023-24(CAYm2)	16	10	16.00	31.25

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	2.00	2.00	1.00	6.00	14.00
2024-25	1.00	2.00	2.00	4.00	8.00	14.00
2023-24	1.00	2.00	3.00	4.00	11.00	20.00
Average	RF1=1.00	AF1=2.00	RF2=2.33	AF2=3.00	RF2=8.33	AF2=16.00

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)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms. Vandana Singhal	Professor of Practice	Central Electricity Authority,Ministry of Power, Govt. of India	Power System Analysis	15.00
2	Ms. Vandana Singhal	Professor of Practice	Central Electricity Authority,Ministry of Power, Govt. of India	Transmission and Distribution	15.00
3	Dr.P.Narayanasamy	Visiting Professor	KPR Institute of Engineering and Technology	Foundation for Electrical Engineering	15.00
4	Dr.P.Narayanasamy	Visiting Professor	KPR Institute of Engineering and Technology	Advanced Eelectric Motors and Control	15.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr.P.Narayanasamy	Visiting Professor	KPR Institute of Engineering and Technology	Foundation for Electrical Engineering	30.00
2	Dr.P.Narayanasamy	Visiting Professor	KPR Institute of Engineering and Technology	SMPS and UPS	30.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr.Ramesh C Bansal	Visiting Professor	University of Sharjah	Smart Grid Technologies	26.00
2	Dr.Ramesh C Bansal	Visiting Professor	University of Sharjah	Renewable Energy Sources	27.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	19	29	29
2	No. of peer reviewed conference papers published	15	13	23
3	No. of books/book chapters published	18	14	15

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.Ravindran S	-	EEE	Smart Power Conditioner - idea to impact	IIT Madras & Wipro Foundation	6 Months	0.50
Dr.Pazhanimuthu C	-	EEE	Develop a solution to reduce pesticide and fertilizer usage by integrating Soil Health Card data, weather data, and the Leaf Color Chart method	Naan Mudhalvan Niral Thiruvizha 2.0	6 Months	0.10
Dr.Pandiyan P	-	EEE	Design and development of digital stethoscope for telemedicine	TNSCST Students project scheme	6 Months	0.08
Mr.Vignesh C J	-	EEE	Rooftop Windmill for Home	TNSCST Students project scheme	6 Months	0.08
						Amount received (Rs.):0.76

(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
Mr.Vignesh C J	-	EEE	Axial Flux Permanent Magnet Motor for Electric Vehicle	MSME Champions Scheme	24 Months	10.35
						Amount received (Rs.):10.35

(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.Mohanasundaram K	-	EEE	Development of Live Human Detecting Soft Robot for Earthquake Rescue Operation	DST	24	6.68
Dr.Pandiyan P	-	EEE	Electrification for the Automotive Sector towards Sustainable Future	IEI Coimbatore Local Chapter	6	0.10
Dr.Karpagam J	-	EEE	IoT Based Smart Chair to Recognize the Sitting position of Employees	TNSCST Students project scheme	12	0.08
Mr.Vignesh C J	-	EEE	Tracking of Childs Nutritional Status and Physical Health (Well-being)	MSME Innovative Scheme	24	4.59
						Amount received (Rs.):11.45

Total Amount (Lacs) Received for the Past 3 Years: 22.56

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.Mohana Sundaram K	Dr.Rangu Seshu Kumar	EEE	Renewable PSS Grid Integration using MATLAB	ABB Global Industries and Services Pvt Ltd., Bangalore	4 Months	2.70
Dr.Ravindran S	Dr.Mohamed Ibrahim A	EEE	Power Quality audit	Enerzia power solutions	1 Month	0.06
Dr.Karthick A	-	EEE	Events	SSEM	1 Week	0.06
Dr.Chandrika V S	-	EEE	SpectraX - Project Expo	IEEE-IES	1 week	0.12
Dr.Pazhanimuthu C	-	EEE	Energia'25 Project Expo	IEEE PES	1 week	0.28
Dr.Dinesh C	-	EEE	Pathfinder	IEEE	1 week	0.19
Dr.Mohana Sundaram K	Ms.Lalitha B	EEE	Celestia'25	IEEE PELS	2 weeks	0.23
Dr.Baranilingesan I	-	EEE	Ideatronic 2025	IEEE IMS	1 week	0.31
						Amount received (Rs.):3.95

(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
Ms.Lalitha B	Mr.Vignesh C J	EEE	Design of Sub Monoblock Rotor	Texmek Industries, Coimbatore	1 Month	0.12
						Amount received (Rs.):0.12

(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.Mohana Sundaram K	-	EEE	Design of 3D modelling of robot	M/s Eazy Things Technology Private Ltd., Adhanur	2 Weeks	0.12
Mr.Dinesh C	-	EEE	Installation service of drives for various textile industries	M/s Texservices, Coimbatore	3 Weeks	0.18
Mr.Dinesh C	-	EEE	Design of Control Panel using LABVIEW	ARK tech Automation Solutions (P) Ltd., Coimbatore	2 Weeks	0.18
Dr.Matheswaran A	-	EEE	Energy Audit	TATA International Pvt. Ltd. (M/s Jawahar Anand & Co), Chennai	1 Week	0.10
Ms.B. Lalitha	-	EEE	EKKI Influencers Workshop	EKKI Pumps Pvt. Ltd., Coimbatore	1 Week	0.17
Dr.Matheswaran A	-	EEE	Technical support for development of Power Quality Analyser	Foretec Electric	1 Week	0.05
						Amount received (Rs.):0.80

Total amount (Lacs) received for the past 3 years: 4.87

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.Chandrika V S	Power Converters, Charging Circuits, and Controller Design for Electric Vehicles Charger	3 days	0.08	0.08	Skill Training
Dr.Ravindran S	Power Converters, Charging Circuits, and Controller Design for Electric Vehicles Charger	3 days	0.08	0.08	Skill Training
Dr.Ravindran S	Design thinking Workshop	3 days	0.25	0.25	Skill Training
Dr.Baranilingesan I	Design thinking Workshop	3 days	0.25	0.25	Skill Training
Dr.Ravindran S	Thermaly self regulating battery pack	3 days	0.10	0.10	Participated in finals
Dr.Chandrika V S	Machine Learning and Cyber Physical Systems	15 days	0.05	0.05	Skill development
Mr.Xavier Richards	Autonomous Rover	1 Month	0.58	0.58	Project Competition
Mr.Xavier Richards	Remotely operated UUV	2 Months	0.74	0.74	Project Competition
			Amount received (Rs.): 2.13		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr.Mohamed Ibrahim A	Etap Training and Certification - Power Projects	30 days	0.15	0.15	Skill development & Certification
Mr.Vignesh C J	MSME Incubation Share	1 Year	1.55	1.55	Product Development
Mr.Xavier Richards	Cozmo Clench	2 Months	0.85	0.85	Project Competition
			Amount received (Rs.): 2.55		

(CAYm3)

Total amount (Lacs) received for the past 3 years : 4.68

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	AC amd DC Machines Laboratory	4	1. Shunt Motor with Loading Arrangement -5HP 2. Series Motor with Loading Arrangement -5HP 3. Compound Motor	Lab Hours -	Mr. Soundharrajan M	Tech Lead	M.E power Electroni
2	Power Electronics and Drives Laboratory	4	1. Switched Mode Power Converter Kit 2. Four Quadrant DC Chopper Kit 3. Voltage and Current Commutated Chopper Kit 4. Single	Lab Hours -	Mr. Gobalakrishnan (	Lab Technician	Diploma in Electronic
3	Electronic Devices and Circuits Laboratory	4	1. Cathode Ray Oscilloscope 30 MHz 2. Regulated power supply 3. RC Phase Shift Trainer Kit 4. LC Phase Shift Trainer Kit 5.	Lab Hours -	Mr. Gobalakrishnan (	Lab Technician	Diploma in Electronic
4	Renewable Energy Laboratory	4	1. 1 kWp Solar photovoltaic and Inverter System 2. Wind Energy Training Set up 3. Solar Street Light Set up 4. Solar MPPT	Lab Hours -	Mrs.Nirmaladevi T	Senior Lab Technicia	Diploma in Electronic
5	Control and Instrumentation Laboratory	4	1. DC Servomotor Kit for Transfer Function 2. P. PI, PID Controller Kit 3. AC Servomotor Kit (Transfer Function) 4. DC	Lab Hours -	Mr. Vinoth Kumar M.	Lab Technician	Diploma in Electrical
6	Linear and Digital Integrated Circuits Laboratory	4	1. CRO 2. LCR Meter 3. Digital IC Tester (Digital) 4. Digital IC Tester (Analog) 5. Digital Storage Oscilloscope	Lab Hours -	Mr. Vinoth Kumar M.	Lab Technician	Diploma in Electrical
7	Electric Circuits Laboratory	4	1. Cathode Ray Oscilloscope 2. Function Generator 3. Series and Parallel Resonance Trainer Kit 4. Maximum power transfer	Lab Hours -	Mr. Vinoth Kumar M.	Lab Technician	Diploma in Electrical
8	Project Laboratory	4	1. Induction Motor Speed Control using FPGA 2. MATLAB Campus-wide 3. ETAP Software: 4. Base Package with Equipment	Project Work -	Mrs.Nirmaladevi T	Senior Lab Technicia	Diploma in Electrical
9	Power Engineering Laboratory	36	Dell Optiplex 7060 i7 2 GB graphics card 1TB HDD 8GB RAM	Lab Hours -	Mr. SivaSankar G	Senior Lab Technicia	Diploma in Coupter

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures

1	AC and DC Machines Laboratory	· First aid kit. · ABC powder fire extinguisher. · Guidelines and instructions are displayed in the laboratory. · Electrical earthing is well maintained. · Emergency power shutdown facility is provided. · Insulation mats are provided on the ground to prevent shocks. · Students are instructed to wear apron and shoes.
2	Power Electronics and Drives Laboratory	· First aid kit. · Carbon dioxide fire extinguishers. · Guidelines and instructions are displayed in the laboratory. · Emergency power shutdown facility is provided. · Students are instructed to wear apron and shoes.
3	Renewable Energy Laboratory	· First aid kit. · ABC powder fire extinguisher. · Guidelines and instructions are displayed in the laboratory. · Emergency power shutdown facility is provided. · Students are instructed to wear apron and shoes.
4	Control and Instrumentation Laboratory	· First aid kit. · Carbon dioxide fire extinguishers. · Guidelines and instructions are displayed in the laboratory. · Emergency power shutdown facility is provided. · Students are instructed to wear apron and shoes.
5	Linear and Digital Integrated Circuits Laboratory	· First aid kit. · ABC powder fire extinguisher. · Guidelines and instructions are displayed in the laboratory. · Emergency power shutdown facility is provided. · Students are instructed to wear apron and shoes.
6	Electronics Device and Circuits Laboratory	· First aid kit. · ABC fire extinguisher. · Guidelines and instructions are displayed in the laboratory. · Emergency power shutdown facility is provided. · Students are instructed to wear apron and shoes.
7	Electric circuits laboratory	· First aid kit. · ABC powder fire extinguisher. · Guidelines and instructions are displayed in the laboratory. · Emergency power shutdown facility is provided. · Students are instructed to wear apron and shoes.
8	Project Laboratory	· First aid kit. · Carbon dioxide fire extinguishers. · Guidelines and instructions are displayed in the laboratory. · Emergency power shutdown facility is provided. · Students are instructed to wear apron and shoes.
9	Power Engineering Laboratory	· First aid kit. · ABC powder fire extinguisher. · Guidelines and instructions are displayed in the laboratory. · Emergency power shutdown facility is provided. · Students are instructed to wear apron and shoes.

D3. Project Laboratory/Research Laboratory

These facilities serve as hubs for advanced study, skill development, and interdisciplinary collaboration.

Table No. 7.5.1: Project Laboratory / Research Laboratory / Centre of Excellence

S.No.	Name of the Laboratory	Name of the important Equipment	Utilization status	Technical Manpower Support		
				Name of Technical Support	Designation	Qualification
1.	Project Laboratory	MATLAB Campus-wide	12 Hrs/week	Mrs Niramaladevi T	Senior Lab Technician	Diploma in Electrical and Electronics Engineering
		ETAP Software: Base Package with Equipment Evaluation, Cable Sizing and Ampacity, Load Flow/ Voltage Drop, Short Circuit ANSI/IEC, Transient Stability				
		LORA IoT Development kit				
		LORA WAN outdoor gateway				
		Induction Motor Speed Control using FPGA				
2	EIWTC-The EKKI-KPRIET International Water Technology Centre	Bore well Pump sets	9 Hrs / Week	Mr. Muthu Kumar S.	Lab Technician	M.E.,
		Domestic Pump sets				
		Open-well Pump sets				
		Testing Pipeline with Sensors Controls				
3	KPRIET - L&T Experience Engineering	Transformer - Cut section	3 Hrs /Week	Mr. Ramesh N	Lab Technician	Industrial Training Institutes
		Circuit breaker - Cut section				
		HVDC Substation				
		Electrical LT Board 11 kV Panel				
		Hydro-electric working model				
		Power Generation from Solar PV				

4	Centre of Excellence for Hybrid and Electric Vehicles.	Unitrain interface with virtual instruments Measurements and diagnosis of an electric drive motor Basics of Electrical/Electronic systems in commercial vehicles	3 Hrs /Week	Mr. Karuppusamy M.	Lab Technician	Diploma in Electrical and Electronics Engineering
5	Aviation and Robotics Laboratory	WorkBee CNC Router Ender 3D Printer	3 Hrs /Week	Mr. Xavier Richards G	Assistant Professor (Associate Innovation Officer)	M.E

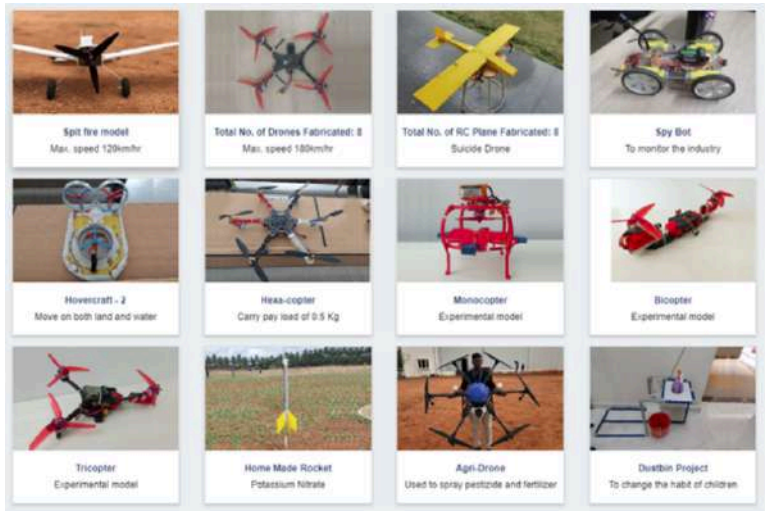

Figure 7.5.1 Projects from Aviation and Robotics Laboratory

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
2023-24(CAYm2)	900	45	47	145	148
2024-25(CAYm1)	1140	57	50	142	120
2025-26(CAY)	1500	75	52	151	96

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	4370000	6341758	145046000	135497009.5	25719200	73648776.17	42200000	41221950
Library	10772500	3370952	6092025	3847181.67	3789275	1345154.01	2850000	2795920
Laboratory equipment	36850750	18509719	40925574	30857159.96	65422968	49295771.88	9700000	9575024
Teaching and non-teaching staff salary	388000000	278349728	338000000	311401430	380431625	318626309.4	260000000	253191880
Outreach Programs	70000000	75717357	3700000	2430712.93	7095500	3168571.17	2000000	1800000
R&D	27102400	6194353	24581700	12587452.16	72995500	261988.30	12000000	12194000
Training, Placement and Industry linkage	16716000	17298031	29137880	20204583.41	10381000	23851629.91	26000000	26429900
SDGs	38007000	15050992	15499500	9400597.21	2201100	3902638	1000000	1013000
Entrepreneurship	4000000	2325503	5222500	4919948.26	300000	149109	1000000	900000
Others, specify	290905850	229677531	76710090	77573330.73	76726332	74079979.95	138000000	137026786
Total	**886724500**	**652835924**	**684915269**	**608719405.83**	**645062500**	**548329927.79**	**494750000**	**486148460**

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	894670	40445	1000000	1000000	2694000	3034791	200000	203803
Software	700000	117953	1116000	1103020	175000	57414	300000	279129
SDGs	100000	94289	50000	33954	110000	11654	25000	11951
Support for faculty development	150000	148302	150000	132884	155000	53020	25000	4720

R & D	869000	1038094	1075000	1192491	600000	690000	150000	147500
Industrial Training, Industry expert, Internship	100000	75671	50000	49002	460000	103952	525000	398647
Miscellaneous Expenses*	517300	256655	471580	205030	724040	782747	474500	327243
Total	**3330970**	**1771409**	**3912580**	**3716381**	**4918040**	**4733578**	**1699500**	**1372993**