

NATIONAL BOARD OF ACCREDITATION

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

PART-A: Profile of the Institute

Name of the Program Applied for: B.E-Electrical and Electronics Engineering

A1: Name of the Institute: - Panimalar Engineering College

Year of Establishment : 2000

Location of the Institute:

13°05' N Latitude, 80°07'E Longitude

A2: Institute Address: -

City : Chennai

State: Tamil Nadu

Pin Code : 600123

Website: www.panimalar.ac.in

E-mail : info@panimalar.ac.in

Phone No (with STD Code):044-26490404

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

Name of the University : Anna University

City : Chennai

State : Tamil Nadu

Pin Code: 600025

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

Institute of National Importance

☐

Deemed University

☐

University

☐

Autonomous

☒

Non-Autonomous (Affiliated)

☐

Any other (Please specify) *

☐

***Provide Details:** _____

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

Central Government

☐

State Government

☐

Government Aided

☐

Self-financing

☒

Any Other (Please specify) *

☐

***Provide Details:** _____

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

❖ No. of UG programs: 07

❖ No. of PG programs: 03

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

S.N.	Level of program (UG/PG)	Name of the program	Year of Start	Year close*	Name of the Department
1.	UG	B.E.(Computer Science and Engineering)	2000	-	Computer Science and Engineering
2.	PG	M.E.(Computer Science and Engineering)	2016	-	Computer Science and Engineering
3.	UG	B.E.(Electronics and Communication Engineering)	2000	-	Electronics and Communication Engineering

4.	PG	M.E.(Communication Systems)	2016	-	Electronics and Communication Engineering
5.	UG	B.Tech (Information Technology)	2000	-	Information Technology
6.	UG	B.E.(Electrical and Electronics Engineering)	2001	-	Electrical and Electronics Engineering
7.	UG	B.E.(Mechanical Engineering)	2002	-	Mechanical Engineering
8.	UG	B.Tech.(Artificial Intelligence and Data Science)	2020	-	Artificial Intelligence and Data Science
9.	UG	B.Tech.(Computer Science and Business Systems)	2020	2025	Computer Science and Business Systems
10.	UG	B.Tech.(Artificial Intelligence and Machine Learning)	2022	-	Artificial Intelligence and Machine Learning
11.	PG	Master of Business Administration	2002	-	Master of Business Administration

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

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

Cluster ID.	Name of the Department	Name of the Program
1.	Computer Science and Engineering	B.E.(Computer Science and Engineering)
2.	Information Technology	B.Tech (Information Technology)
3.	Electronics and Communication Engineering	B.E.(Electronics and Communication Engineering)
4.	Electrical and Electronics Engineering	B.E.(Electrical and Electronics Engineering)
5.	Mechanical Engineering	B.E.(Mechanical Engineering)

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

Cluster ID.	Name of the Department (in table no. A7.1)	Name of allied Departments/Cluster (for table no. A7.1)
1.	Computer Science and Engineering	B.Tech (Information Technology)
1.	Computer Science and Engineering	B.Tech.(Artificial Intelligence and Data Science)
1.	Computer Science and Engineering	B.Tech.(Computer Science and Business Systems)
1.	Computer Science and Engineering	B.Tech.(Artificial Intelligence and Machine Learning)
2.	Information Technology	B.E.(Computer Science and Engineering)
2.	Information Technology	B.Tech.(Artificial Intelligence and Data Science)
2.	Information Technology	B.Tech.(Computer Science and Business Systems)
2.	Information Technology	B.Tech.(Artificial Intelligence and Machine Learning)
3.	Electronics and Communication Engineering	Nil
4.	Electrical and Electronics Engineering	Nil
5.	Mechanical Engineering	Nil

PART-B: Program information

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

B1: Provide the Required Information for the Program Applied For: -**Table No. B1:** Program details.

S. N.	Program Name	Year of start	Sanctioned Intake	Increase/decrease	Year of increase/decrease	AICTE Approval Details	Accreditation Status*	No. of times program accredited
1.	B.E-Electrical & Electronics Engineering	2001	60	90	2002	730-52-339(E)/ET/99 (19.06.02)	Granted accreditation for 3 years 2022-2025	4
				120	2006	730-52-339(E)/ET/99 (07.08.2006)		
				180	2015	Southern/1-2454333951/2015/EOA/Co origendum-1 (29.05.2015)		
				240	2022	Southern/1-10974806311/2022/EOA (18.7.2022)		
				180	2023	Southern/1-41103288246/2023/EOA (07.06.2023)		

* Write applicable one:

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

B2: Detail of Head of the Department for the program under consideration:**A. Name of the HoD : Dr.S.Selvi****B. Nature of appointment: (Tick the applicable choice)**

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

C. Qualification: (Tick the applicable choice)

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

***Please provide details:** _____

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

Item (Information is to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	CAY (2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)	CAYm4 (LYG) (2020-21)	CAYm5 (LYGm1) (2019-20)	CAYm6 (LYGm2) (2018-19)
N= Sanctioned intake of the program (as per AICTE /Competent authority)	180	180	240	180	180	180	180
N1= Total no. of students admitted in the 1 st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	180	180	180	162	111	172	176
N2= Number of students admitted in 2 nd year in the same batch via lateral entry including leftover seats	0	9	12	25	41	20	22
N3= Separate division if any	9	9	5	0	0	0	0
N4= Total no. of students admitted in the 1 st 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.	189	198	197	187	152	192	198

CAY= Current Academic Year.

CAYm1= Current Academic Year Minus 1

CAYm2= Current Academic Year Minus 2.

LYG= Last Year Graduate.

LYGm1= Last Year Graduate Minus 1.

LYGm2= Last Year Graduate Minus 2.

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

Item (Students enrolled in the First Year on average over 3 academic years (CAY, CAYm1, and CAYm2))	CAY (2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
N= Sanctioned intake of the program in the 1 st year (as per AICTE/Competent authority)	180	180	240
N1= Total no. of students admitted in the 1 st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	180	180	180
N4= Total no. of students admitted in the 1 st year via all supernumerary quotas	0	0	0
Enrolment Ratio (ER)= (N1+N4)/N	1	1	0.77
Average ER= (ER_1+ ER_2+ ER_3)/3	0.9233		

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

Item	LYG (2020-24)	LYGm1 (2019-23)	LYGm2 (2018-22)
A*= (No. of students admitted in the 1 st year of that batch and those actually admitted in the 2 nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	149	188	194
B=No. of students who graduated from the program in the stipulated course duration	146	181	185
Success Rate (SR)= (B/A)*100	97.98	96.27	95.36
Average SR of three batches ((SR_1+SR_2+ SR_3)/3)	96.53		

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

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

Academic Performance	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
X= (Mean of 1 st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1 st year/10)	7.416	7.74	7.33
Y= Total no. of successful students	189	184	159
Z = Total no. of students appeared in the examination	189	184	159
API = X* (Y/Z)	7.416	7.74	7.33
Average API = (API_1 + API_2 + API_3)/3	7.495		

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 2 nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2 rd year/10)	7.93	7.527	8.12
Y= Total no. of successful students	194	184	152
Z =Total no. of students appeared in the examination	194	184	152
API = X* (Y/Z)	7.93	7.527	8.12
Average API = (API_1 + API_2 + API_3)/3	7.859		

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 3 rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3 rd year/10)	7.83	7.67	8.68
Y= Total no. of successful students	184	151	188
Z= Total no. of students appeared in the examination	184	151	188
API = X* (Y/Z)	7.83	7.67	8.68
Average API = (API_1 + API_2 + API_3)/3	8.06		

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

Item	LYG	LYGm1	LYGm2
FS*=Total no. of final year students	149	188	194
X= No. of students placed	132	155	161
Y= No. of students admitted to higher studies	10	11	05
Z= No. of students taking up entrepreneurship	0	1	1
X + Y + Z =	142	167	167
Placement Index (P) = (((X + Y + Z)/FS) * 100)	0.95	0.89	0.86
Average placement index = (P_1 + P_2 + P_3)/3	0.9		

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

PART C: Faculty Details in Department and Allied Departments
(Data to be filled in for the Department and Allied Departments)

C1: Faculty details of Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

SI.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)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")
1.	Dr. S.SELVI	AVGPS8628D	Ph.D.,	SATHYABAMA UNIVERSITY	POWER ELECTRONICS AND INDUSTRIAL DRIVES	19.06.2001	24	Lecturer	Professor & HOD	01.08.2007	Regular	-	Y	-
2.	Dr. D. SILAS STEPHEN	BPOPS0187L	Ph.D.,	ANNA UNIVERSITY	POWER SYSTEM ENGINEERING	01.06.2009	16	Lecturer	Professor	22.10.2013	Regular	-	Y	-
3.	Dr.P.S.RAMAPRABA	AKPPR5563A	Ph.D.,	SATHYABAMA UNIVERSITY	BIOMEDICAL IMAGE PROCESSING	2.05.2014	11.2	Assistant Professor	Professor	01.06.2015	Regular	-	Y	-
4.	Dr.R.DHARMAPRAKASH	AFVPD5561R	Ph.D.,	JNTU HYDERABAD	POWER ELECTRONICS AND DRIVES	01.06.2016	9.1	Professor	Professor	01.06.2016	Regular	-	Y	-
5.	Dr. N. MANOJ KUMAR	ANYPM9231C	Ph.D.,	ANNA UNIVERSITY	POWER ELECTRONICS AND INDUSTRIAL DRIVES	21.06.2017	8	Professor	Professor	21.06.2017	Regular	-	Y	-
6.	Dr.B. MUTHURAJ	AKJPM0807G	Ph.D.,	ANNA UNIVERSITY	PROCESS CONTROL AND INSTRUMENTATION	05.09.2011	13.9	Professor	Professor	05.09.2011	Regular	-	Y	-
7.	Dr.S.DEEPA	CHTPS5701E	Ph.D.,	SATHYABAMA UNIVERSITY	POWER SYSTEM	26.02.2021	4.4	Professor	Professor	26.02.2021	Regular	-	Y	-
8.	Dr. A.SIVAKUMAR	BIVPS0824E	Ph.D.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	01.06.2006	19	Lecturer	Professor	01.07.2024	Regular	-	Y	-
9.	Dr .P.HARI RAMAKRISHNAN	ACEPH1737P	Ph.D.,	Sathyabama Institute of science and Technology	POWER SYSTEM ENGINEERING	01.06.2006	19	Lecturer	Professor	01.07.2024	Regular	-	Y	-
10.	Dr.LAVANYA DHANESH	ARGPD5182 M	Ph.D.,	Sathyabama Institute of	EMBEDDED SYSTEM TECHNOLOGIES	01.07.2009	15.11	Assistant Professor	Professor	01.07.2024	Regular	-	Y	-

				science and Technology										
11.	Dr.G.MERLIN SUBA	ASYPM4354M	Ph.D.,	Dr.MGR Educational and Research Institute	POWER ELECTRONICS AND DRIVES	04.05.2007	18	Lecturer	Associate Professor	01.06.2016	Regular	-	Y	-
12.	Dr.C.T.MANIKANDAN	AVGPM5394L	Ph.D.,	Sathyabama Institute of science and Technology	POWER ELECTRONICS AND DRIVES	02.06.2010	15	Assistant Professor	Associate Professor	01.06.2018	Regular	-	Y	-
13.	Dr. V.DEVARAJ	ARTPD8979R	Ph.D.,	Dr.MGR Educational and Research Institute	POWER SYSTEM ENGINEERING	02.06.2008	16.7	Lecturer	Associate Professor	01.06.2016	Regular	-	Y	30.06.2025
14.	Mr.M.PADMARASAN	BFCPP1995M	M.E.,	ANNAMALAI UNIVERSITY	POWER SYSTEM ENGINEERING	01.06.2011	14.1	Associate Professor	Associate Professor	01.06.2011	Regular	-	Y	-
15.	Mr.S.SUNDARAMOORTHY	CKMPS9475D	M.E.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	18.05.2012	13.1	Associate Professor	Associate Professor	18.05.2012	Regular	-	Y	-
16.	Mrs.S.LAKSHMI	AJBPL3161H	M.E.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	28.05.2012	13.1	Assistant Professor	Associate Professor	01.06.2016	Regular	-	Y	-
17.	Mr .P.SANTHOSH	CXPPS6375C	M.Tech.,	SRM University	EMBEDDED SYSTEM AND TECHNOLOGY	26.05.2010	15.1	Assistant Professor	Associate Professor	01.06.2018	Regular	-	Y	-
18.	Dr.N.KARTHIKEYAN	BWBPK4871M	M.E.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	26.02.2021	4.4	Associate Professor	Associate Professor	26.02.2021	Regular	-	Y	-
19.	Mrs. A.KALAIMANI	BXQPK2084N	M.E.,	SATHYABAMA UNIVERSITY	POWER ELECTRONICS AND DRIVES	01.06.2011	14	Assistant Professor	Assistant Professor		Regular	-	Y	-
20.	Dr. SHOBANA D	DUVPS4482Q	M.E.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	14.07.2011	14	Assistant Professor	Assistant Professor		Regular	-	Y	-
21.	Mrs.R.J.VIJAYA SARASWATHI	ASYPV3004H	M.E.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	27-05-2013	12.1	Assistant Professor	Assistant Professor		Regular	-	Y	-
22.	Mr. R.SAKTHIVEL	CZCPS7410K	M.E.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	01.06.2013	12.1	Assistant Professor	Assistant Professor		Regular	-	Y	-
23.	Dr .G.PONKUMAR	CPTPP8126A	M.E.,	ANNA UNIVERSITY	POWER SYSTEM ENGINEERING	11.07.2014	11	Assistant Professor	Assistant Professor		Regular	-	Y	-
24.	Mr. S.BALAJI	BDAPS8421H	M.E.,	ANNA UNIVERSITY	POWER SYSTEM ENGINEERING	29.05.2015	10.1	Assistant Professor	Assistant Professor		Regular	-	Y	-
25.	MR. KIRUBAKARAN K	EDAPK7602B	M.E.,	SATHYABAMA UNIVERSITY	POWER ELECTRONICS AND DRIVES	01.06.2016	9.1	Assistant Professor	Assistant Professor		Regular	-	Y	-
26.	Mr. P.HEMKUMAR	AIQPH7951P	M.E.,	SATHYABAMA UNIVERSITY	POWER ELECTRONICS AND DRIVES	01.06.2016	9.1	Assistant Professor	Assistant Professor		Regular	-	Y	-
27.	Mr. M. RAGHUPATHI	CBKPR5934F	M.E.,	SATHYABAMA UNIVERSITY	POWER ELECTRONICS AND INDUSTRIAL DRIVES	08.06.2016	9.1	Assistant Professor	Assistant Professor		Regular	-	Y	-
28.	Mr. B. KANDHA KUMAR	CQSPK1014N	M.E.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	08.06.2016	9.1	Assistant Professor	Assistant Professor		Regular	-	Y	-
29.	Mr. L. JONES NIRMAL	ANNPJ6743R	M.E.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	21.06.2017	8	Assistant Professor	Assistant Professor		Regular	-	Y	-
30.	MRS. SUGANYA M J	DSNPS3982M	M.E.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	21.06.2017	8	Assistant Professor	Assistant Professor		Regular	-	Y	-
31.	Mrs. S.PUSHPA	BKQPP2876L	M.E.,	ANNA UNIVERSITY	POWER SYSTEM ENGINEERING	05.12.2018	6.7	Assistant Professor	Assistant Professor		Regular	-	Y	-
32.	Mrs. S.AMUDHA PRIYA	AVMPA0878K	M.E.,	St.Peter's Institute of Higher Education and Research	POWER ELECTRONICS AND DRIVES	06.06.2019	6.1	Assistant Professor	Assistant Professor		Regular	-	Y	-
33.	Mrs. A.JENNIFER APPARNA PRINCESS	CUCPP3450K	M.E.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	06.06.2019	6.1	Assistant Professor	Assistant Professor		Regular	-	Y	-
34.	Mrs. S.VIMALA	AOUPV2587F	M.E.,	ANNA UNIVERSITY	EMBEDDED SYSTEM TECHNOLOGIES	10.02.2020	5.4	Assistant Professor	Assistant Professor		Regular	-	Y	-

35.	Mr. K.P.DINAKARAN	BGCPDO972 R	M.E.,	ANNA UNIVERSITY	APPLIED ELECTRONICS	26.02.2021	4.4	Assistant Professor	Assistant Professor		Regular	-	Y	-
36.	Mr. K. SASI KUMAR	BZVPS0443J	M.E.,	ANNA UNIVERSITY	POWER SYSTEM ENGINEERING	26.02.2021	4.4	Assistant Professor	Assistant Professor	-	Regular	-	Y	-
37.	Mr. ARAVINDAN B	BIGPA3615J	M.E.,	SATHYABAMA UNIVERSITY	ELECTRONICS AND CONTROL	02.11.2007	17.8	Assistant Professor	Assistant Professor		Regular	-	Y	-
38.	Mrs. M.MUTHAZHAGI	BUTPM1537L	M.E.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	03.06.2015	10	Assistant Professor	Assistant Professor		Regular	-	Y	-
39.	Mrs. S.PORSELVI	BZEPP4006P	M.Tech.,	Vel Tech Rangarajan Dr.Sagunthal a R&D Institute of Science and Technology	EMBEDDED SYSTEM AND TECHNOLOGY	12.06.2018	7	Assistant Professor	Assistant Professor		Regular	-	Y	-
40.	Mr. G.MEENAKSHI KUMAR	ASYPM5070E	M.E.,	SATHYABAMA UNIVERSITY	POWER ELECTRONICS AND INDUSTRIAL DRIVES	12.06.2018	7	Assistant Professor	Assistant Professor		Regular	-	Y	-
41.	MS. AARTHI N R	BTVPA0089G	M.E.,	ANNA UNIVERSITY	INSTRUMENTATION ENGINEERING	01.07.2019	6	Assistant Professor	Assistant Professor		Regular	-	Y	-
42.	Mrs. J.KARTHIK	DOGPK6752 A	M.E.,	St.Peter's university	POWER ELECTRONICS AND DRIVES	17.02.2020	5.4	Assistant Professor	Assistant Professor		Regular	-	Y	-
43.	Mrs.G.BENEDICT JOSLY	CATPB1539E	M.E.,	SATHYABAMA UNIVERSITY	ELECTRONICS AND CONTROL	10.07.2024	0.11	Assistant Professor	Assistant Professor		Regular	-	Y	-
44.	Mrs.P.SATHYA	GJRPS2284C	M.E.,	ANNA UNIVERSITY	COMMUNICATION SYSTEMS	10.07.2024	0.11	Assistant Professor	Assistant Professor		Regular	-	Y	-
45.	Mrs. K.J.ANANSHIYA	BVPPA8615Q	M.E.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	08.06.2016	9	Assistant Professor	Assistant Professor		Regular	-	N	29.11.2024
46.	Mr. S.PRABU	ATBPP4027E	M.E.,	ANNA UNIVERSITY	APPLIED ELECTRONICS	17.02.2020	4.3	Assistant Professor	Assistant Professor		Regular	-	N	29.11.2024
47.	Mr. S.SRINIVASAN	DBBPS4079E	M.E.,	ANNA UNIVERSITY	APPLIED ELECTRONICS	05.01.2015	9	Assistant Professor	Assistant Professor		Regular	-	N	30.06.2024
48.	Mrs.C.SUBATHRADEVI	BAPPS4788D	M.E.,	SATHYABAMA UNIVERSITY	POWER ELECTRONICS AND INDUSTRIAL DRIVES	01.09.2022	1.4	Assistant Professor	Assistant Professor		Regular	-	N	29.06.2024
49.	Mr.GNANASUNDAR	AROPG3858R	M.E.,	SATHYABAMA UNIVERSITY	POWER ELECTRONICS AND INDUSTRIAL DRIVES	01.09.2022	1.4	Assistant Professor	Assistant Professor		Regular	-	N	29.06.2024
50.	Mr.KARTHIKEYAN.P	BFIPK4119J	M.E.,	SATHYABAMA UNIVERSITY	POWER ELECTRONICS AND INDUSTRIAL DRIVES	01.09.2022	1.4	Assistant Professor	Assistant Professor		Regular	-	N	29.06.2024
51.	Mrs. S.NIROSHA	ARBN8459J	M.E.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	23.06.2016	7	Assistant Professor	Assistant Professor		Regular	-	N	30.06.2023
52.	Mr. K.SASIKUMAR	EPYPS5436F	M.E.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	10.02.2020	3.4	Assistant Professor	Assistant Professor		Regular	-	N	30.06.2023
53.	Mrs. SHREE AASHA LEKSHMAN	KIIPS5854L	M.E.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	10.02.2020	3.4	Assistant Professor	Assistant Professor		Regular	-	N	30.06.2023
54.	Mrs. P. S. MAHITHA	AFFPM4653R	M.E.,	Dr.MGR Educational and Research Institute	POWER SYSTEM	17.02.2020	3.4	Assistant Professor	Assistant Professor		Regular	-	N	30.06.2023
55.	Mrs. SURAPANENI DEEPTHI	FJAPS4195E	M.E.,	ANNA UNIVERSITY	POWER ELECTRONICS AND DRIVES	17.02.2020	3.4	Assistant Professor	Assistant Professor		Regular	-	N	30.06.2023

C2: Student-Faculty Ratio (SFR)

- ❖ No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):
 - UG₁=1st UG program
 - UG_n=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.
 - PG_m=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)).

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

Year	CAY (2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG ₁ . B // 2 nd year students of UG ₁ program	189	252	198
UG ₁ . C // 3 rd year students of UG ₁ program	252	198	198
UG ₁ . D // 4 th year students of UG ₁ program	198	198	198
UG ₁ // Total no.of students(2 nd , 3 rd , 4 th) in UG ₁ program	639	648	594
...			
UG _n . B // 2 nd year students of UG _n program			
UG _n . C // 3 rd year students of UG _n program			
UG _n . D // 4 th year students of UG _n program			
UG _n // Total no.of students(2 nd , 3 rd , 4 th) in UG _n program	UG _n .B+UG _n .C+UG _n .D	UG _n .B+UG _n .C+UG _n .D	UG _n .B+UG _n .C+UG _n .D
PG ₁ . A // 1 st year students of PG ₁ program			
PG ₁ . B // 2 nd year students of PG ₁ program			
PG ₁ // Total no.of students(1 st , 2 nd) in PG ₁ program	PG ₁ .A+ PG ₁ .B	PG ₁ .A+ PG ₁ .B	PG ₁ .A+ PG ₁ .B
.....			
PG _m . A // 1 st year students of PG _m program			
PG _m . B // 2 nd year students of PG _m program			
PG _m // Total no.of students(1 st , 2 nd) in PG _m program	PG _m .A+ PG _m .B	PG _m .A+ PG _m .B	PG _m .A+ PG _m .B
=Total no. of students in all UG and PG programs in the Department	639	648	594
=Total no. of students of all UG and PG programs in allied departments			
Total no. of students in the Department (DS) and allied departments (AS)	639	648	594
=Total no. of faculty members in the Department	46	48	53
= Total no. of faculty members in the allied Departments			

Total no. of faculty members in the Department (DF) and allied Departments (AF)	46	48	53
The faculty members in F who have a 100% teaching load in the first-year courses	8	8	8
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 16.82	SFR2=16.2	SFR3=13.2
Average SFR for 3 years	Average SFR=15.41		

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	FQI= $2.5 * [(10X + 4Y)/RF]$
CAY	13	25	32	17.97
CAYm1	12	28	33	17.58
CAYm2	10	35	30	20

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 Faculty(RF1)	Available Faculty(AF1)	Required Faculty(RF2)	Available Faculty(AF2)	Required Faculty(RF3)	Available Faculty(AF3)
CAY	4	10	7	8	21	20
CAYm1	4	7	7	11	22	22
CAYm2	3	7	7	11	20	27
Average Numbers	RF1=3.7	AF1=8	RF2=7	AF2=10	RF3=21	AF3=23

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

S.N.	Name of the Person	Designation & Organization	Name of the Course	No. of hours handled
CAYm1(ODD) (2023-24)				
1	Dr.S.RAJAPANDIAN	PROPRIETOR of ELECTRONICS INDIA	HIGH VOLTAGE ENGINEERING	26
2	MR. PRADEEPAN VADIVEL	PROPRIETOR of S.V.ELECTRICALS	POWER SYSTEM ANALYSIS	25
Total no. of hours:				51
CAYm1(EVEN) (2023-24)				
1	Dr.S.RAJAPANDIAN	PROPRIETOR of ELECTRONICS INDIA	POWER SYSTEM OPERATION AND CONTROL	27
2	MR. PRADEEPAN VADIVEL	PROPRIETOR of S.V.ELECTRICALS	ELECTRICAL DRIVES	26
Total no. of hours:				53
CAYm2(ODD) (2022-23)				
1	Dr.S.RAJAPANDIAN	PROPRIETOR of ELECTRONICS INDIA	HIGH VOLTAGE ENGINEERING	26
2	MR. PRADEEPAN VADIVEL	PROPRIETOR of S.V.ELECTRICALS	POWER SYSTEM ANALYSIS	26
Total no. of hours:				52
CAYm2(EVEN) (2022-23)				
1	Dr.S.RAJAPANDIAN	PROPRIETOR of ELECTRONICS INDIA	PROTECTION AND SWITCHGEAR	25
2	MR. PRADEEPAN VADIVEL	PROPRIETOR of S.V.ELECTRICALS	SOLID STATE DRIVES	27
Total no. of hours:				52
CAYm3(ODD) (2021-22)				
1	Dr.S.RAJAPANDIAN	PROPRIETOR of ELECTRONICS INDIA	PROTECTION AND SWITCHGEAR	26
2	MR. PRADEEPAN VADIVEL	PROPRIETOR of S.V.ELECTRICALS	SOLID STATE DRIVES	25
Total no. of hours:				51
CAYm3(EVEN) (2021-22)				
1	Dr.S.RAJAPANDIAN	PROPRIETOR of ELECTRONICS INDIA	PROTECTION AND SWITCHGEAR	26
2	MR. PRADEEPAN VADIVEL	PROPRIETOR of S.V.ELECTRICALS	SOLID STATE DRIVES	26
Total no. of hours:				52

C6: Academic Research**Table No. C6.1:** Faculty publication details.

S.N.	Item	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
1	No. of peer reviewed journal papers published	48	35	7
2	No. of peer reviewed conference papers published	35	21	9
3	No. of books/book chapters published	7	9	-

C7: Sponsored Research Project**Table No. C7.1:** List of sponsored research projects received from external agencies.

S.N.	PI name	Co-PI names if any	Name of the Dept., where project	Project title*	Name of the Funding agency	Duration of the project	Amount (Lacs)
CAYm1 (2023-24)							
1.	Dr.S.Selvi	1. Mr.S.Balaji 2. Mrs.S.Vimala	EEE	Energy harvesting Using PZT	L&T Construction, Infrastructure and Transportation, Chennai	Mar 2024 – June 2026 2 years & 3 Months	Rs.2.5
2.	Dr.N.Manoj Kumar	1. Dr.G.Ponkumar 2. Dr.C.T.Manikandan	EEE	Autonomous Load Dumper	L&T Construction, Infrastructure and Transportation, Chennai	Mar 2024 – Mar 2026 2 years	Rs.8
3.	Dr. S.Deepa	1 Mrs.S. Pushpa 2. Dr.G.Ponkumar	EEE	Concrete Curing system	L&T Construction, Infrastructure and Transportation, Chennai	Mar 2024 – Mar 2025 1 year	Rs.2
Amount received (Rs.)							Rs. 12.5
CAYm2 (2022-23)							
1.	Dr.A.Sivakumar	1. Mr.K.P. Dinakaran 2. Mrs.S.Vimala	EEE	Mitigation of supply current harmonics in 3- phase Induction Motor	TVS Training and Services	June 2022 – May 2023 1 year	Rs.1,5
Amount received (Rs.)							Rs.1.5
CAYm3 (2021-22)							
1.	Dr. S. Selvi	1.Mr.V.Devaraj 2.Mrs.S.Vimala	EEE	Design and Development of a Mini Kashayam Vending Machine	TVS Training and Services	July 2021 – June 2022 1 year	Rs. 1.5

2	Dr. S. Selvi	1.Mr.V.Devaraj 2.Mr. B. KandhaKumar	EEE	Solar Incubator	Quicktron	June 2021- May 2022 1year	Rs. 2
Amount received (Rs.)							Rs.3.5
Total Amount (Lacs) Received for the Past 3 Years							Rs.17.5

C8: Consultancy Work

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

S.N.	PI name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project title*	Name of the Funding agency	Duration of the project	Amount (Lacs)
CAYm1 (2023-24)							
1.	Dr. D. SilasStephen	Dr. S. Deepa Dr. G. MerlinSuba	EEE	Advanced Techniques for Enhancing the Efficiency of Vertical Axis Wind Turbine	Shri Vasudeva Solar Systems	April 2023 - March 2024 1 years	Rs 1.23
2.	Dr.S.Ramaprabha	Mr. K. Kirubakaran Mr. K. P. Dinakaran	EEE	Comprehensive Energy Audit for Efficiency Optimization and Cost Reduction	TVS Training and Services	June 2023 1 year	Rs 1.10
3.	Dr.N.Manojkumar	Mrs.VijayaSaraswathi .R.J Mr.S.Balaji	EEE	Visual analytics-Aggregates calssifaction and quality check	L&T Construction, Infrastructure and Transportation, Chennai	June2023 - June 2025 2 year	Rs 2.5
4.	Dr.G.Merlin Suba	Mrs.VijayaSaraswathi .R.J Mr.S.Balaji	EEE	Visual analytics-Plant start time and stop time	L&T Construction, Infrastructure and Transportation, Chennai	June 2023 - June 2025 2 year	Rs 2.5
5.	Dr.Lavanya Dhanesh	Mrs.S.Vimala Mr.S.Balaji	EEE	Visual analytics-Vehicle round time calculation, Intruder detection, plant on and off time detection	L&T Construction, Infrastructure and Transportation, Chennai	June 2023 - June 2025 2 year	Rs 2.5
6.	Dr.P.Hariramakrishnan	Mrs.VijayaSaraswathi .R.J Mrs.S.Vimala	EEE	Visual analytics-Roadwork Layer-wise time cycle analysis	L&T Construction, Infrastructure and Transportation, Chennai	June 2023 - June 2025 2 year	Rs 2.5
Amount received (Rs.)							Rs 12.33
CAYm2 (2022-23)							
1.	Dr. D. SilasStephen	Dr.G.Merlin Suba Mrs.A.Kalaimani	EEE	Advanced Techniques for Enhancing the	Shri Vasudeva SolarSystems	April 2022 March	Rs 1.23

				Efficiency of Photovoltaic Panels		2024 2 years	
2.	Dr. D. SilasStephen	Mr. K.Kirubakaran Mr.K.P. Dinakaran	EEE	Energy Auditing and Regulatory Compliance for Sustainable Power Management	Advantech Instruments	July 2022 - May 2022 1 year	Rs 1
Amount received (Rs.)							Rs 2.23
CAYm3 (2021-22)							
1.	Dr. N. ManojKumar	Mrs. S.Pushpa Mr.P. Hemkumar	EEE	Improvement of Torque undulation in BLDC using SEPIC and Common end Diode clamped Three-level Inverter	TVS Training and Services	June 2021- May 2022 1 year	Rs 2
Amount received (Rs.)							Rs 2
Total amount (Lacs) received for the past 3 years							Rs 16.56

C9: Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

S.No.	Faculty name	Project title/ Support for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the project
CAYm1(2023-2024)						
1	Dr.S.Deepa Dr.S.Selvi	Autonomous Electric Vehicle	2 years	2	2	Designed and implemented an autonomous electric vehicle prototype integrated with obstacle detection and path planning features.
Amount received (Rs.) 2Lakhs						
CAYm2(2022-2023)						
1	Dr.S.Selvi Dr.S.Deepa	Solar Tree-Powered LED Banner for Sustainable Campus Events	1 year	1	0.9735	1. Designed and installed a solar tree integrated with LED display for energy-efficient campus event promotion. 2. Enabled awareness and practical implementation of renewable energy utilization for public display systems.
2	Dr.N.Manoj kumar	Development of an Electric Four- Wheeler for Sustainable Transportation	1 year	1	1	Designed and fabricated an electric four-wheeler prototype emphasizing zero-

						emission campus transport.
Amount received (Rs.)					1.9735 Lakhs	
CAYm3(2021-2022)						
-	-	-	-	-	-	-
Amount received (Rs.)					-	
Total amount (Lacs) received for the past 3 years					3.9735 Lakhs	

PART-D: Laboratory Infrastructure in the Department
(Data to be filled in for the Department).

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

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

S.N.	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the major equipment	Weekly utilization status (all the courses for which the lab is utilized)	Technical Manpower support		
					Name of the technical staff	Designation	Qualification
1.	Electrical Machines Lab – I	30	• DC Motor-Series, Shunt & Compound • DC Generator-Series, Shunt & Compound • AC Machines-Synchronous and Induction Machines. • Transformer-single and Three phase • Auto Transformer-Single and Three phase • Load banks- Single Phase and three phase • Measuring Instruments- Ammeter, Voltmeter, Wattmeter of Different Ranges of both AC and DC meters • Synchronizing Panel	80% ODD SEM 80% EVEN SEM	Mrs.Mahalakshmi	Instructor	B.E. (E.E.E)
2.	Control System Lab	30	• Controllers. -P, PI, and PID • Transfer Function of DC machines • Position Control Systems Kit - DC & AC • AC Synchro transmitter &	80% ODD SEM 80% ODD SEM	Mr.P Manivannan	Instructor	

			- Receiver kit - Bridges - AC and DC kit - Transducers - pressure, Temperature & Displacement. - Strain Gauge Kit - Single phase Auto transformer - Signal Conditioning- Analog – Digital and Digital –Analog converters - IC Transistor kit 8085 Microprocessor Trainer 8051 Micro Controller Trainer Kit 8255 Interface board - Stepper Motor - Traffic Light Controller				Diploma in (E.E.E)
3.	Power Electronics Lab	30	- Characteristics of SCR, TRIAC, MOSFET, IGBT,GTO & IGCT - Converters module - Single phase SCR based half and fully controlled converter - Inverter module-single phase and Three phase PWM inverter. - MOSFET based step up and step down choppers - IGBT based - Switched mode power converter module - SCR & TRIAC based single phase AC controller - R,RC Triggering circuits - Micro Wind Energy	80% ODD SEM 80% EVEN SEM	Mr.Verannan.S	Instructor	Diploma , B.E (E&I)

			Generator module - PV panel - Grid connected and Standalone Solar Power System - Fuel cell Trainer Kit				
4	Industrial Automation Lab	30	- PLC Trainer used to implement ON/OFF Control using Latch, Types of Timers and counter applications. 6 AI and 2 AO and 8 digital I/O Ports used to implement real time control application Experiments. - Processor: Intel(R) Core (TM) i5-7400 CPU @ 3.00GHz	80% ODD SEM 80% EVEN SEM	Mr.ManojKumar.E	Instructor	Diploma in ECE
5.	Electrical Machines Lab – II	30	- DC Motor-Series, Shunt & Compound - DC Generator-Series, Shunt & Compound - AC Machines-Synchronous and Induction Machines. - Single and Three phase Transformer - Single and Three phase Auto Transformer - Single Phase and three phase load banks - Measuring Instruments- Ammeter, Voltmeter, Wattmeter.	80% ODD SEM 80% EVEN SEM	Mr.Sraven Kumar. M	Instructor	B.E. (E.E.E)
6.	WORKSHOP-1	30	- Energy Meter - Single Phase load banks - Measuring Instruments- Ammeter,	80% ODD SEM 80% EVEN SEM	Mrs.Shalini.S	Instructor	Diploma in ECE

			Voltmeter, Wattmeter. • Electrical components for house wiring. • Electrical measuring instruments and loads • Study purpose Models-Iron box, fan. • Megger • PCB'S				
7.	WORKSHOP-2	30	• Electrical components for house wiring • Electrical measuring instruments and loads • Study purpose Models-Iron box, fan and regulator. • Megger • PCB'S designing	80% ODD SEM 80% EVEN SEM	Mr.Tirupathi.P	Instructor	Diploma in EEE
8.	WORKSHOP-3	30	• Electrical components for house wiring • Electrical measuring instruments and loads • Study purpose Models-Iron box, fan and regulator. • Megger • PCB'S designing	80% ODD SEM 80% EVEN SEM	Mr.Kumar.M	Instructor	Diploma in EEE
9	Computer Centre 12 (CC 12)	70	• Desktop (Intel i5,4 GB RAM), server (Intel i5,4 GB RAM) • 100GB Internet connection	80% ODD SEM 80% EVEN SEM	Mrs.Hemamalni C	Instructor	Diploma in ECE
10	Power System Simulation Lab	39	• Desktop (Intel i5, 8GBRAM) • Printer laser • Lenovo Think Server • Intel xeon E3-1225 V5(Quad-core)3.3Ghz 8MB/2x 8GB RAM • 100GB Internet connection	80% ODD SEM 80% EVEN SEM	Mrs.Gowri.E	Instructor	Diploma in ECE

D2: `Safety Measures in Laboratories

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

S.N.	Name of the Laboratory	Safety measures
1.	Electrical Machines Laboratory – I	Do's and Don'ts Display boards Electrical Wiring are protected by MCB, RCBO and fuses Proper Earthing 11 kV electrical insulation mat provided First aid Kit Fire Extinguisher
2.	Control system Laboratory	
3.	Power Electronics Laboratory	
4.	Industrial Automation Lab	
5.	Workshop-1	
6.	Workshop-2	
7.	Workshop-3	
8.	Electrical Machines Laboratory – II	
9.	Power System Simulation Lab	First aid Kit Fire Extinguisher
10.	Computer Centre 12	

D3: Project Laboratory/Research Laboratory**Table No. D3.1:** List of project laboratory/research laboratory /Centre of Excellence.

S.N.	Name of the Laboratory
1	Centre of Excellence / Project Laboratory (L&T Construction Transportation Infrastructure)
2	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= $\frac{((NS1*0.8) + (NS2*0.2))}{(No. of required faculty (RF4))}$; Percentage= $\frac{((NS1*0.8) + (NS2*0.2))}{RF4}$
CAY 2024-2025	3210	161	103	59	58.51
CAYm1 2023-2024	2940	147	99	49	60.54
CAYm2 2022-2023	2340	117	111	40	82.74

E2: Budget Allocation, Utilization, and Public Accounting at Institute Level**Table No. E2.1:** Budget and actual expenditure incurred at Institute level.

Items	Budgeted in CFY (2024-25)	Actual expenses in CFY (2024-25)	Budgeted in (2023-24)	Actual Expenses in (2023-24)	Budgeted in (2022-23)	Actual Expenses in (2022-23)	Budgeted in (2021-22)	Actual Expenses in (2021-22)
Infrastructure Built-Up	1,50,00,000	1,02,32,801	55,00,000	48,47,947	60,00,000	56,00,338	60,00,000	52,45,010
Library	35,00,000	21,78,319	30,00,000	27,83,476	32,00,000	27,15,761	7,15,000	6,50,000
Laboratory equipment	6,00,00,000	3,27,54,265	5,85,00,000	5,68,95,680	5,00,00,000	4,89,24,525	2,10,00,000	1,77,40,593
Teaching and non-teaching staff salary	78,00,00,000	76,07,40,934	60,00,00,000	56,86,46,169	49,00,00,000	44,61,05,952	35,00,00,000	27,22,37,231
Outreach Programs	2,00,000	1,00,000	1,65,000	1,50,000	7,00,000	6,70,000	70,00,000	64,00,000
R&D	35,00,000	31,06,364	20,00,000	18,70,211	15,00,000	13,31,544	13,00,000	12,18,027
Training, Placement and Industry linkage	70,00,000	56,28,329	50,00,000	45,91,000	1,30,00,000	1,18,78,601	25,00,000	21,46,440
SDGs	2,00,000	1,20,756	1,20,000	99,100	75,000	62,250	55,000	48,500
Entrepreneurship	60,000	44,000	65,000	60,000	35,000	29,550	80,000	78,200
Others*, pl. specify [EB, Telephone & Internet charges,]	58,00,00,000	51,99,34,274	42,00,00,000	39,73,21,552	45,25,00,000	35,74,25,839	15,25,00,000	12,17,52,548
Total amount	1,44,94,60,000	1,33,48,40,042	1,09,43,50,000	1,03,72,65,135	1,01,70,10,000	87,47,44,360	54,11,50,000	42,75,16,549

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

ITEMS		Budgeted 2024-25	Actual Expenditure 2024-25	Budgeted 2023-24	Actual Expenditure 2023-24	Budgeted 2022-23	Actual Expenditure 2022-23	Budgeted 2021-22	Actual Expenditure 2021-22
		2024-2025	2024-2025	2023-2024	2023-2024	2022-23	2022-23	2021-22	2021-22
Laboratory Equipment		100000	69295	0	0	0	0	830000	644870
Software		0	0	0	0	0	0	200000	466100
SDGs		20000	10000	15000	13500	15000	14050	10000	9100
Support for faculty development		220000	209600	183000	172500	185000	175500	180000	168500
R & D		50000	31000	50000	44000	41000	37000	50000	35000
Placement Training, Industry Expert, Internship		400000	367000	508000	457500	290000	262200	30000	24000
Miscellaneous Expenses	a. Lab Consumable s	140000	128667	162000	154049	127000	120437	100000	20200
	b. Maintenance & Spares	25000	19400	10000	2500	26000	23000	20000	4850
	c. Students Cash Award	120000	60000	140000	126400	145000	129500	100000	10140
Total in Rs		10,75,000	8,94,962	10,68,000	9,70,449	8,29,000	7,61,687	15,20,000	13,82,760