NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electrical Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 11109	**Date of Submission**: 30-10-2025

PART A- Profile of the Institute

A1.Name of the Institute: INSTITUTE OF TECHNOLOGY, NIRMA UNIVERSITY	
Year of Establishment : 1995	Location of the Institute: Ahmedabad
A2. Institute Address:INSTITUTE OF TECHNOLOGY,NIRMA UNIVERSITY,S.G. HIGHWAY, VILL. CHHARODI	
City:Ahmedabad	State:Gujarat
Pin Code:382481	Website:www.technology.nirmauni.ac.in
Email:NIT@NIRMAUNI.AC.IN	Phone No(with STD Code):079-71652000
A3. Name and Address of the Affiliating University (if any):	
Name of the University :	City: Ahmedabad
State : Gujarat	Pin Code: 382481
A4. Type of the Institution: University	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **8**
- No. of PG programs: **12**

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 Machine Learning	2024	--	Computer Science and Engineering
2	Engineering & Technology	UG	Chemical Engineering	1995	--	Chemical Engineering
3	Engineering & Technology	UG	Civil Engineering	1996	--	Civil Engineering
4	Engineering & Technology	PG	Computer Aided Structural Analysis & Design	2002	--	Civil Engineering
5	Engineering & Technology	PG	Computer Science and Engineering	2004	--	Computer Science and Engineering
6	Engineering & Technology	UG	Computer Science and Engineering	1998	--	Computer Science and Engineering

7	Engineering & Technology	PG	Computer Science and Engineering (Data Science)	2019	--	Computer Science and Engineering
8	Engineering & Technology	PG	Construction Technology and Management	2022	--	Civil Engineering
9	Engineering & Technology	PG	Cyber Security	2022	--	Computer Science and Engineering
10	Engineering & Technology	PG	Design Engineering	2022	--	Mechanical Engineering
11	Engineering & Technology	PG	Electric Vehicle Technology	2022	2024	Electrical Engineering
12	Engineering & Technology	UG	Electrical Engineering	1995	--	Electrical Engineering
13	Engineering & Technology	UG	Electronics & Communication Engineering	1995	--	Electronics and Communication Engineering
14	Engineering & Technology	UG	Electronics & Instrumentation Engineering	1995	--	Electronics and Instrumentation Engineering
15	Engineering & Technology	PG	Embedded Systems	2012	--	Electronics and Communication Engineering
16	Engineering & Technology	PG	Masters in Computer Applications	1999	--	Computer Science and Engineering
17	Engineering & Technology	UG	Mechanical Engineering	1995	--	Mechanical Engineering
18	Engineering & Technology	PG	Robotics and Artificial Intelligence	2025	--	Electronics and Instrumentation Engineering
19	Engineering & Technology	PG	Semiconductor Technology	2024	--	Electronics and Communication Engineering
20	Engineering & Technology	PG	VLSI Design	2003	--	Electronics and Communication Engineering

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 Engineering	No	Electrical Engineering	UG
Electronics and Instrumentation Engineering	No	Electronics & Instrumentation Engineering	UG
Civil Engineering	No	Civil Engineering	UG

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

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

No Record

PART-B: Program information

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

Table No. B1: Program details.

A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/ DECREASE INTAKE (if any)	YEAR OF INCREASE/ DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/ COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Electrical Engineering	UG	1995 / --	120	No	NA	120	1995	UGC	Granted accreditation for 3 years for the period (specify period)	2024	2026	1	4

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 :	Siddharthsingh K Chauhan
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)	120	120	120	120	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	128	130	133	131	101	127	134
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	15	14	21	42	27	16
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	7	6	6	6	6	6	6

Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	135	151	153	158	149	160	156

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)	120	128	7	112.50
2024-25 (CAYm1)	120	130	6	113.33
2023-24 (CAYm2)	120	133	6	115.83

Average [(ER1 + ER2 + ER3) / 3] = 113.89≡ 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).	162.00	160.00	156.00
B=No. of students who graduated from the program in the stipulated course duration	120.00	137.00	146.00

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 84.43

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)	7.65	7.60	7.30
Y=Total no. of successful students	134.00	137.00	133.00
Z=Total no. of students appeared in the examination	136.00	139.00	137.00
API [X*(Y/Z)]	7.54	7.49	7.09

Average API[(AP1+AP2+AP3)/3] : 7.37

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)	6.68	6.63	7.00
Y=Total no. of successful students	145.00	146.00	135.00

Z=Total no. of students appeared in the examination	151.00	154.00	144.00
API [X * (Y/Z)]	6.41	6.29	6.56

Average API [(AP1 + AP2 + AP3)/3] : 6.42

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)	7.14	7.38	7.36
Y=Total no. of successful students	132.00	124.00	143.00
Z=Total no. of students appeared in the examination	146.00	135.00	150.00
API [X*(Y/Z)]:	6.46	6.78	7.02

Average API [(AP1 + AP2 + AP3)/3] : 6.75

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	162.00	147.00	151.00
X=No. of students placed	93.00	100.00	107.00
Y=No. of students admitted to higher studies	6.00	9.00	13.00
Z= No. of students taking up entrepreneurship	4.00	1.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	63.58	74.83	80.13

Average Placement Index = (P_1 + P_2 + P_3)/3: 72.85 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	Pragneshkumar Natvarlal Tekwani	XXXXXXX92G	Ph.D	IISc, Bangalore	Power Electronics and Drives	17/08/2001	24.2	Assistant Professor	Professor	01/05/2007	Regular	Yes		No
2	Santoshkumar Chandravadan Vora	XXXXXXX67R	Ph.D	IISc, Bangalore	Electrical Engineering	29/07/1998	27.2	Lecturer	Professor	21/09/2010	Regular	Yes		No
3	Siddharthsingh K Chauhan	XXXXXXX64B	Ph.D	Nirma University	Power Electronics	23/05/2016	9.4	Associate Professor	Associate Professor	23/05/2016	Regular	Yes		Yes
4	Akhilesh Arvind Nimje	XXXXXXX80L	Ph.D	KIIT University, Bhubaneswar	Power Systems Engineering	17/06/2016	9.4	Associate Professor	Associate Professor	17/06/2016	Regular	Yes		No
5	Kuntal Bhattacharjee	XXXXXXX00F	Ph.D	Jadavpur University	Power Systems	01/09/2016	9.1	Associate Professor	Associate Professor	01/09/2016	Regular	Yes		No
6	Amit Narayanbhai Patel	XXXXXXX31P	Ph.D	Kadi Sarva Vishwavidyalaya	Electrical Machines	08/10/2003	22	Lecturer	Associate Professor	01/02/2022	Regular	Yes		No
7	Tejas Hariprasad Panchal	XXXXXXX90Q	Ph.D	Gujarat Technological University	Electrical Machines	16/05/2005	20.5	Lecturer	Assistant Professor		Regular	Yes		No
8	Manisha Tushar Shah	XXXXXXX11F	Ph.D	Nirma University	Power Electronics	06/06/2005	20.4	Lecturer	Assistant Professor		Regular	Yes		No
9	Swapnil Nalinkumar Jani	XXXXXXX79M	Ph.D	PDEU, Gandhinagar	Electrical Machines	30/06/2009	16.4	Lecturer	Assistant Professor		Regular	Yes		No
10	Chanakya Bharatbhai Bhatt	XXXXXXX48D	M.Tech	Nirma University	Power Apparatus and Systems	18/07/2009	16.3	Lecturer	Assistant Professor		Regular	Yes		No
11	Sarika Kanojia	XXXXXXX04G	M.Tech	Nagpur University	Integrated Power System	01/02/2010	15.8	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Chintan Rajeshkumar Mehta	XXXXXXX37P	Ph.D	Nirma University	Electrical Power Systems	11/05/2010	15.5	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Shanker Dalchand Godwal	XXXXXXX35Q	Ph.D	CHARUSAT, Changa	Electrical Power System	16/03/2012	13.7	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Chintan Dalsukh Patel	XXXXXXX06A	M.Tech	IIT, Delhi	Power Systems	22/05/2017	8.4	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Karri V V Satyanarayana	XXXXXXX61A	Ph.D	SVNIT, Surat	Power Electronics and Drives	23/05/2017	8.4	Assistant Professor	Assistant Professor		Regular	Yes		No

16	Tarun Kumar Tailor	XXXXXXX97M	Ph.D	MANIT, Bhopal	Electrical Power System	24/05/2017	8.4	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Soumesh Subhas Chatterjee	XXXXXXX02J	Ph.D	NIT Agartala	Power System	01/09/2021	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mahesh Amrutbhai Patel	XXXXXXX04M	Ph.D	Nirma University	Electrical Machines	17/09/2021	4	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Amar Kumar Barik	XXXXXXX28R	Ph.D	NIT Silchar	Power Systems	20/09/2021	4	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Ajay Kumar Maurya	XXXXXXX49L	Ph.D	IIT, Roorkee	Power Electronics	05/06/2025	0.4	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Anand Kumar	XXXXXXX46C	Ph.D	IIT (ISM), Dhanbad	Power Electronics	01/07/2025	0.3	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Viral Bipinchandra Rathod	XXXXXXX64C	Ph.D	IIT, Roorkee	Power Systems	14/08/2025	0.2	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Samyak Shreyansh Shah	XXXXXXX30A	M.Tech	Nirma University	Electrical Power Systems	01/07/2021	4.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
24	Sudhansu Sekhar Das	XXXXXXX39A	Ph.D	NIT-Sikkim	Power Electronics & Electrical Drives	21/06/2023	2.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
25	Chirag Hareshkumar Raval	XXXXXXX41G	M.E.	Gujarat Technological University	Power Electronics and Electrical Drives	26/07/2023	2.2	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
26	Umedbhai Ambaram Patel	XXXXXXX95J	M.E.	Gujarat University	Automation and Control	15/07/2019	6.3	Professor	Professor	15/07/2019	Contractual Parttime	Yes		No
27	Vivek Kumar	XXXXXXX23J	Ph.D	IIT (BHU)	Power System	18/09/2023	0.3	Assistant Professor	Assistant Professor		Contractual Fulltime	No	22/12/2023	No
28	Manju Bhashini V	XXXXXXX85M	Ph.D	IIT Gandhinagar	Electrical Machines	26/06/2023	0.5	Assistant Professor	Assistant Professor		Contractual Fulltime	No	12/12/2023	No
29	P N Kapil	XXXXXXX41D	M.Tech	Nirma University	Power Apparatus and Systems	29/06/2009	15.6	Lecturer	Assistant Professor		Regular	No	31/12/2024	No

30	Hormaz Z Amrolia	XXXXXXX92K	M.Tech	Nirma University	Power Electronics, Machines and Drives	11/07/2013	11.10	Assistant Professor	Assistant Professor		Regular	No	09/05/2025	No
31	Abhisek Parida	XXXXXXX45H	Ph.D	NIT Rourkela	Control System	04/09/2021	3.3	Assistant Professor	Assistant Professor		Regular	No	20/12/2024	No

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

C2. Student-Faculty Ratio (SFR)

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

No. of UG Programs in the Department1 No. of PG Programs in the Department1

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

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B	132	132	132
UG1.C	132	132	132
UG1.D	132	132	132
UG1: Electrical Engineering	**396**	**396**	**396**
PG1.A	0	0	18
PG1.B	0	18	18
PG1: Electric Vehicle Technology	**0**	**18**	**36**
DS=Total no. of students in all UG and PG programs in the Department	396	414	432
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=** 396	**S2=** 414	**S3=** 432

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
DF=Total no. of faculty members in the Department	25	23	25
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=** 25	**F2=** 23	**F3=** 25
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= 15.84**	**SFR2= 18.00**	**SFR3= 17.28**
Average SFR for 3 years	**SFR= 17.04**		

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)	20	5	19.00	28.95
2024-25(CAYm1)	15	8	20.00	22.75
2023-24(CAYm2)	14	11	21.00	21.90

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	2.00	2.00	4.00	4.00	13.00	16.00
2024-25	2.00	2.00	4.00	4.00	13.00	14.00
2023-24	2.00	2.00	4.00	4.00	14.00	16.00
Average	RF1=2.00	AF1=2.00	RF2=4.00	AF2=4.00	RF2=13.33	AF2=15.33

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	U. A. Patel	Visiting Faculty	Electrical Engineering Department, School of Engineering, Institute of Technology, Nirma University	2EE502: Network Analysis	60.00
2	U. A. Patel	Visiting Faculty	Electrical Engineering Department, School of Engineering, Institute of Technology, Nirma University	2EE504CC23: Control System Theory	30.00
3	U. A. Patel	Visiting Faculty	Electrical Engineering Department, School of Engineering, Institute of Technology, Nirma University	3EE207CC24: Power System Protection and Switchgears	30.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	U. A. Patel	Visiting Faculty	Electrical Engineering Department, School of Engineering, Institute of Technology, Nirma University	2EE502: Network Analysis	60.00
2	U. A. Patel	Visiting Faculty	Electrical Engineering Department, School of Engineering, Institute of Technology, Nirma University	2EE504: Control System Theory	60.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	U. A. Patel	Visiting Faculty	Electrical Engineering Department, School of Engineering, Institute of Technology, Nirma University	2EE301: Network Analysis and Syntheis	60.00
2	U. A. Patel	Visiting Faculty	Electrical Engineering Department, School of Engineering, Institute of Technology, Nirma University	2EE401: Control System Engineering	60.00
3	Chirag Hareshkumar Raval	Visiting Faculty	Electrical Engineering Department, School of Engineering, Institute of Technology, Nirma University	2EE305: Analog and Digital Electronics Laboratory	36.00
4	Chirag Hareshkumar Raval	Visiting Faculty	Electrical Engineering Department, School of Engineering, Institute of Technology, Nirma University	2EEDE51: DC Drives	12.00
5	Chirag Hareshkumar Raval	Visiting Faculty	Electrical Engineering Department, School of Engineering, Institute of Technology, Nirma University	1EE801: Electrical Science	24.00
6	Chirag Hareshkumar Raval	Visiting Faculty	Electrical Engineering Department, School of Engineering, Institute of Technology, Nirma University	2EE302: Signals and Systems	6.00
7	Chirag Hareshkumar Raval	Visiting Faculty	Electrical Engineering Department, School of Engineering, Institute of Technology, Nirma University	2EE301: Network Analysis and Synthesis	6.00
8	Chirag Hareshkumar Raval	Visiting Faculty	Electrical Engineering Department, School of Engineering, Institute of Technology, Nirma University	2EE406: Power Electronics Laboratory	180.00

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	12	23	22
2	No. of peer reviewed conference papers published	21	28	19
3	No. of books/book chapters published	4	3	2

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. Dhaval Shah	Dr. Swapnil Jani, Dr. Shashikant Joshi	Mechanical Engineering Department,Nirma University Ahmedabad	Development of coefficients of modulus of elasticity and creep for various conductors, commonly being used in Indian transmission industry	BUREAU OF INDIAN STANDARDS	0.5 Year	7.20
						Amount received (Rs.):7.20

(CAYm2)

(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. Pragneshkumar NatvarlalTekwani	Dr. Siddharthsingh Kamaljitsingh Chauhan	Electrical Engineering Department,Nirma University Ahmedabad	Multi-Objective Control of Power Quality Friendly PV Based Distributed Generation for Effective Energy Storage and Utilization in Smart Grid	Gujarat Council on Science & Technology (GUJCOST)	2 Years	26.47
						Amount received (Rs.):26.47

Total Amount (Lacs) Received for the Past 3 Years: 33.67

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

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

(CAYm1)

(CAYm2)

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
HoD EE	-	Electrical Engineering Department,Nirma University Ahmedabad	TATA Motors Passenger Vehicles Limited	TATA Motors	7 Months	3.78
Dr. Manisha Shah	Dr. Dipak Adhyaru	Electrical Engineering Department,Nirma University Ahmedabad	MMC-Mathematical Modelling Scope Development	Virbhu India Private limited	6 Months	3.54
						Amount received (Rs.):7.32

(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
HoD EE	-	Electrical Engineering Department,Nirma University Ahmedabad	Auto E & E Programme GCC Batch	TATA Motors GCC Unit	5 Months	3.78
						Amount received (Rs.):3.78

Total amount (Lacs) received for the past 3 years: 11.10

Note*:

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

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

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

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Amar Kumar Barik & Dr. Chintan Mehta	Prototype Design of Wireless Power Transfer for EV Charging Application Using IoT	1 Year	0.55	0.40	A research paper is communicated to journal.
Dr. A M Lakdawala, Dr. D B Shah & Prof. P. N. Kapil	Development of Composite PC Material Based TMS for Battery of EV	3 Years	28.08	22.66	A patent is published.
			Amount received (Rs.): 28.63		

(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
Prof. V V S Karri Satyanarayana	Integration of PV and BES to DC Microgrid Using Multi-Input High Gain Converter	2 Years	1.55	1.04	A journal paper is published.
			Amount received (Rs.): 1.55		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Amar Kumar Barik, Dr. Chintan R. Mehta	Design of Soft-Computing Based Maximum Power Point Tracker for Solar Power Panel	1 Year	0.42	0.19	A conference paper is published.
Dr. Abhisek Parida, Prof. Chintan D. Patel	Development of Fundamental Component Extraction Module with Application to PV System	1 Year	0.66	0.32	A research paper is communicated to journal.
Dr. Shanker D. Godwal	An Improved Overcurrent Relay Coordination Scheme for Protection of Distribution System	1 Year	1.00	0.65	A conference paper is published.
Dr. Soumesh Chatterjee & Prof. Sarika Kanojia	Development of Prototype Solar Energy Supported User Friendly EV Charging Solution Based on IOT	1 Year	0.69	0.64	A journal paper is published.
Dr. Mahesh Patel & Prof. Swapnil Jani	Design and Fabrication of Synchronous Reluctance Motor	1 Year	0.85	0.85	A research paper is communicated to journal.
Dr. Tarun Kumar Tailor	Development of a Laboratory Scale Solar PV Emulator	1 Year	0.70	0.27	A research paper is communicated to journal.
			Amount received (Rs.): 4.32		

Total amount (Lacs) received for the past 3 years : 34.50

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

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

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

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Power Electronics Laboratory	22	● OPAL-RT Hardware-In-Loop (HIL) Set-up (OP4510 Real-Time Simulator and associated	28 Hours per w	Mr. Ghanshyam Puro	Laboratory Assistant	BSc in Physics
2	Electrical Machines Laboratory	22	● Single-Phase Autotransformers (Automatic Electric Ltd), 0-270V, 15A ● Three-Phase	28 Hours per w	Mr. Harshad Patel	Laboratory Superviso	Diploma in Electrical I
3	High Voltage Engineering Laboratory	22	● Impulse Generator (High Voltage), 300 kV, 3 kJ, 3-Stage ● AC Test Set (Zaran), 100 kV	36 Hours per w	Mr. Bhavesh Rawal	Laboratory Assistant	Diploma in Electrical I

4	Elements of Electrical Engineering & Control System Engineering Laboratory	22	● Series and Parallel Resonance Trainer kit (OMEGA) ● Star Delta Connected Capacitor Bank ● Logic gate trainer kit (OMEGA) ●	30 Hours per w	Mr. Mohmadsajid M. (	Laboratory Assistant	Diploma in Electrical I
5	Electrical Workshop Laboratory	22	● Solar Cell Trainer Kit (OMEGA) ● Component Display Board (OMEGA) ● CRO Trainer with Open Enclosure 20 MHz (Scientech)	38 Hours per w	Mr. Bhavesh Rawal	Laboratory Assistant	Diploma in Electrical I
6	Switchgear & Protection Laboratory	22	● Numerical Earth Fault and Overcurrent Relay, SPAJ-140 C (ABB) ● Numerical Motor Protection Relay, SPAM-150C (ABB) ● Numerical	26 Hours per w	Mr. Pratik Jani	Laboratory Assistant	Diploma in Electrical I
7	Analog Electronic Circuit Laboratory	20	● Study of Darlington Pair Amplifier with Power Supply (OMEGA) ● Study of Multivibrators (BMV, AMV and MMV) Using IC555 with Power	22 Hours per w	Mr. Ghanshyam Puro	Laboratory Assistant	BSc in Physics
8	Network & Electrical Measurements Laboratory	22	● Different Types of Network Theorems Experimental Setup (OMEGA) ● Strain Gauge Test Setup Board (ATE) ● Speed	26 Hours per w	Mr. Ghanshyam Puro	Laboratory Assistant	BSc in Physics
9	Software Laboratory (D112A, D112B, D100, E1109)	20	● ETAP Power Station Software- Power System Analysis Package (Version 4.7.0) (user-5) ● Power Electronics & Drives Simulation	32 (D112A) 28	Mr. Mohmadsajid M. (	Laboratory Assistant	Diploma in Electrical I

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Power Electronics Laboratory	• Shoes are compulsory in the lab. • Please follow instructions precisely as instructed by the supervisor. • Do not start the experiment unless your setup is verified & approved by your supervisor. • Do not crowd around the equipment. • All accidents, injuries, and breakage of glass or equipment are to be reported to instructor immediately. • Avoid using cell phones or earbuds in the active work area to maintain situational awareness. • Fire extinguisher is kept in each laboratory. • Safety chart to guide the students are kept in laboratories and students are also informed about safety measures to be taken at the beginning of semester. • Students are given awareness about precaution and handling of equipment in each session of the laboratory. • Loose cloths, all conductive jewelry and trinkets, including rings which may come in contact with exposed circuits are to be removed prior to entering the lab. • Students are required to read the manual before starting the experiment and required to pay close attention to any cautions described in the laboratory exercises. • Students are instructed to stand on the safety mat while performing the experiment. • When making measurements, students are instructed to use only one hand at a time. No part of a live circuit should be touched by the bare hand. • The students should check the power switch status (OFF) before plugging into the outlet. Also, the instrument or equipment should be turned OFF before unplugging from the outlet. • When disassembling a circuit, the source of power is to be removed first. • Laboratory is equipped with ELCB (Earth-leakage circuit breaker) and MCB (Miniature Circuit Breaker) for electric shock protection. • The instruction manual provided by the manufacturer of the specific equipment should be referred, in case of doubt regarding the same, student is informed to meet instructor.

2	Electrical Machines Laboratory	• Shoes are compulsory in the lab. • In Electrical Machines Laboratory, rotating machines are mounted on appropriate foundation with underground cabling between rotating machine and panel. • Laboratory is equipped with ELCB (Earth-leakage circuit breaker) and MCB (Miniature Circuit Breaker) for electric shock protection. • Ensure all machines and electrical setups are properly grounded and insulated to prevent electric shock and equipment damage. • Be sufficiently away from live exposed parts or rotating parts of the machine. • Do not touch anything with which you are not entirely familiar. Carelessness may break the valuable equipment in the lab and cause serious injury to you and others. • Please follow instructions precisely as instructed by your supervisor. • Do not start the experiment unless your setup is verified & approved by your supervisor. • Do not crowd around the equipment. • All accidents, injuries, and breakage of glass or equipment are to be reported to instructor immediately. • Avoid using cell phones or earbuds in the active work area to maintain situational awareness. • Fire extinguisher is kept in each laboratory. • Proper cleanliness is maintained in the laboratory • Safety chart to guide the students are kept in laboratories and students are also informed about safety measures to be taken at the beginning of semester. • Students are given awareness about precaution and handling of equipment in each session of the laboratory. • Loose cloths, all conductive jewelry and trinkets, including rings which may come in contact with exposed circuits are to be removed prior to entering the lab. • Students are required to read the manual before starting the experiment and required to pay close attention to any cautions described in the laboratory exercises. • Students are instructed to stand on the safety mat while performing the experiment. • When making measurements, students are instructed to use only one hand at a time. No part of a live circuit should be touched by the bare hand. • The students should check the power switch status (OFF) before plugging into the outlet. Also, the instrument or equipment should be turned OFF before unplugging from the outlet. • When disassembling a circuit, the source of power is to be removed first. • The instruction manual provided by the manufacturer of the specific equipment should be referred, in case of doubt regarding the same, student is informed to meet instructor.
3	Elements of Electrical Engineering & Control System Engineering Laboratory	• Shoes are compulsory in the lab. • Do not touch anything with which you are not entirely familiar. Carelessness may break the valuable equipment in the lab and cause serious injury to you and others. • Please follow instructions precisely as instructed by your supervisor. • Ensure all machines and electrical setups are properly grounded and insulated to prevent electric shock and equipment damage. • Do not start the experiment unless your setup is verified & approved by your supervisor. • Do not crowd around the equipment. • All accidents, injuries, and breakage of glass or equipment are to be reported to instructor immediately. • Avoid using cell phones or earbuds in the active work area to maintain situational awareness. • Fire extinguisher is kept in each laboratory. • Proper cleanliness is maintained in the laboratory. • Safety chart to guide the students are kept in laboratories and students are also informed about safety measures to be taken at the beginning of semester. • Students are given awareness about precaution and handling of equipment in each session of the laboratory. • Loose cloths, all conductive jewelry and trinkets, including rings which may come in contact with exposed circuits are to be removed prior to entering the lab. • Students are required to read the manual before starting the experiment and required to pay close attention to any cautions described in the laboratory exercises. • Laboratory is equipped with ELCB (Earth-leakage circuit breaker) and MCB (Miniature Circuit Breaker) for electric shock protection. • Students are instructed to stand on the safety mat while performing the experiment. • When making measurements, students are instructed to use only one hand at a time. No part of a live circuit should be touched by the bare hand. • The students should check the power switch status (OFF) before plugging into the outlet. Also, the instrument or equipment should be turned OFF before unplugging from the outlet. • While connecting and disconnecting the circuit, the source of power is to be removed first. The instruction manual provided by the manufacturer of the specific equipment should be referred, in case of doubt regarding the same, student is informed to meet instructor.

4	Electrical Workshop Laboratory	• Shoes are compulsory in the lab. • Safety chart to guide the students are kept in laboratories and students are also informed about safety measures to be taken at the beginning of semester. • Students are instructed to stand on the safety mat while performing the experiment. • Do not crowd around the equipment. • Do not touch anything with which you are not entirely familiar. Carelessness may break the valuable equipment in the lab and cause serious injury to you and others. • Please follow instructions precisely as instructed by your supervisor. • Ensure all machines and electrical setups are properly grounded and insulated to prevent electric shock and equipment damage. • Do not start the experiment unless your setup is verified & approved by your supervisor. • All accidents, injuries, and breakage of glass or equipment are to be reported to instructor immediately. • Avoid using cell phones or earbuds in the active work area to maintain situational awareness. • Fire extinguisher is kept in each laboratory. • Proper cleanliness is maintained in the laboratory • Students are given awareness about precaution and handling of equipment in each session of the laboratory. • Loose cloths, all conductive jewelry and trinkets, including rings which may come in contact with exposed circuits are to be removed prior to entering the lab. • Students are required to read the manual before starting the experiment and required to pay close attention to any cautions described in the laboratory exercises. • When making measurements, students are instructed to use only one hand at a time. No part of a live circuit should be touched by the bare hand. • Laboratory is equipped with ELCB (Earth-leakage circuit breaker) and MCB (Miniature Circuit Breaker) for electric shock protection. • The students should check the power switch status (OFF) before plugging into the outlet. Also, the instrument or equipment should be turned OFF before unplugging from the outlet. • While connecting and disconnecting the circuit, the source of power is to be removed first. • The instruction manual provided by the manufacturer of the specific equipment should be referred, in case of doubt regarding the same, student is informed to meet instructor.
5	Switchgear & Protection Laboratory	• Shoes are compulsory in the lab. • Laboratory is equipped with ELCB (Earth-leakage circuit breaker) and MCB (Miniature Circuit Breaker) for electric shock protection. • Do not touch anything with which you are not entirely familiar. Carelessness may break the valuable equipment in the lab and cause serious injury to you and others. • Do not start the experiment unless your setup is verified & approved by your supervisor. • Be mindful of the dangers of hot surfaces and fast rotating equipment. • Ensure all machines and electrical setups are properly grounded and insulated to prevent electric shock and equipment damage. • All accidents, injuries, and breakage of glass or equipment are to be reported to instructor immediately. • Avoid using cell phones or earbuds in the active work area to maintain situational awareness. • Fire extinguisher is kept in each laboratory. • Proper cleanliness is maintained in the laboratory. • Safety chart to guide the students are kept in laboratories and students are also informed about safety measures to be taken at the beginning of semester. • Students are given awareness about precaution and handling of equipment in each session of the laboratory. • Loose cloths, all conductive jewelry and trinkets, including rings which may come in contact with exposed circuits are to be removed prior to entering the lab. • Students are required to read the manual before starting the experiment and required to pay close attention to any cautions described in the laboratory exercises. • Students are instructed to stand on the safety mat while performing the experiment. • When making measurements, students are instructed to use only one hand at a time. No part of a live circuit should be touched by the bare hand. • The students should check the power switch status (OFF) before plugging into the outlet. Also, the instrument or equipment should be turned OFF before unplugging from the outlet. • When disassembling a circuit, the source of power is to be removed first. • Please keep the floor and equipment dry at all times. Immediately attend the spills of water or oil/chemicals, and notify other student and lab staff of the potential slipping hazards.

6	Analog Electronic Circuit Laboratory	• Shoes are compulsory in the lab. • Do not touch anything with which you are not entirely familiar. Carelessness may break the valuable equipment in the lab and cause serious injury to you and others. • Please follow instructions precisely as instructed by your supervisor. • Ensure all machines and electrical setups are properly grounded and insulated to prevent electric shock and equipment damage. • Do not start the experiment unless your setup is verified & approved by your supervisor. • Do not crowd around the equipment & run inside the laboratory. • All accidents, injuries, and breakage of glass or equipment are to be reported to instructor immediately. • Avoid using cell phones or earbuds in the active work area to maintain situational awareness. • Fire extinguisher is kept in each laboratory. • Proper cleanliness is maintained in the laboratory • Safety chart to guide the students are kept in laboratories and students are also informed about safety measures to be taken at the beginning of semester. • Students are given awareness about precaution and handling of equipment in each session of the laboratory. • Loose cloths, all conductive jewelry and trinkets, including rings which may come in contact with exposed circuits are to be removed prior to entering the lab. • Students are required to read the manual before starting the experiment and required to pay close attention to any cautions described in the laboratory exercises. • Students are instructed to stand on the safety mat while performing the experiment. • When making measurements, students are instructed to use only one hand at a time. No part of a live circuit should be touched by the bare hand. • The students should check the power switch status (OFF) before plugging into the outlet. Also, the instrument or equipment should be turned OFF before unplugging from the outlet. • When disassembling a circuit, the source of power is to be removed first. • Laboratory is equipped with ELCB (Earth-leakage circuit breaker) and MCB (Miniature Circuit Breaker) for electric shock protection. • The instruction manual provided by the manufacturer of the specific equipment should be referred, in case of doubt regarding the same, student is informed to meet instructor.
7	Network & Electrical Measurements Laboratory	• Shoes are compulsory in the lab. • Do not touch anything with which you are not entirely familiar. Carelessness may break the valuable equipment in the lab and cause serious injury to you and others. • Please follow instructions precisely as instructed by your supervisor. • Ensure all machines and electrical setups are properly grounded and insulated to prevent electric shock and equipment damage. • Do not start the experiment unless your setup is verified & approved by your supervisor. • Do not crowd around the equipment & run inside the laboratory. • All accidents, injuries, and breakage of glass or equipment are to be reported to instructor immediately. • Avoid using cell phones or earbuds in the active work area to maintain situational awareness. • Fire extinguisher is kept in each laboratory. • Proper cleanliness is maintained in the laboratory • Safety chart to guide the students are kept in laboratories and students are also informed about safety measures to be taken at the beginning of semester. • Students are given awareness about precaution and handling of equipment in each session of the laboratory. • Laboratory is equipped with ELCB (Earth-leakage circuit breaker) and MCB (Miniature Circuit Breaker) for electric shock protection. • Loose cloths, all conductive jewelry and trinkets, including rings which may come in contact with exposed circuits are to be removed prior to entering the lab. • Students are required to read the manual before starting the experiment and required to pay close attention to any cautions described in the laboratory exercises. • Students are instructed to stand on the safety mat while performing the experiment. • When making measurements, students are instructed to use only one hand at a time. No part of a live circuit should be touched by the bare hand. • The students should check the power switch status (OFF) before plugging into the outlet. Also, the instrument or equipment should be turned OFF before unplugging from the outlet. • When disassembling a circuit, the source of power is to be removed first. • The instruction manual provided by the manufacturer of the specific equipment should be referred, in case of doubt regarding the same, student is informed to meet instructor.

8	High Voltage Engineering Laboratory	• Separate earth pits are present. • Faradays cage for conducting experiments and operating panels. • Safety interlocks are present on various panels and lab. • Laboratory is equipped with ELCB (Earth-leakage circuit breaker) and MCB (Miniature Circuit Breaker) for electric shock protection. • Ensure proper grounding by using an earth stick before taking any readings. • All experiments are conducted under the supervision of experienced faculty and technical staff. • Rubber mats are provided in the labs near to the location where experiments are conducted. Students are instructed to stand on the safety mat while performing the experiment. • Shoes are compulsory in the lab. • Do not touch anything with which you are not entirely familiar. Carelessness may break the valuable equipment in the lab and cause serious injury to you and others. • Please follow instructions precisely as instructed by your supervisor. • Turn off and discharge equipment. • Do not crowd around the equipment. • Report any broken plugs or exposed electrical wires to your faculty/ laboratory assistant immediately. • Maintain a clean and organized work area. • Safety chart to guide the students are kept in laboratories and students are also informed about safety measures to be taken at the beginning of semester. • Students are given awareness about precaution and handling of equipment in each session of the laboratory. • Loose cloths, all conductive jewelry and trinkets, including rings which may come in contact with exposed circuits are to be removed prior to entering the lab. • Students are required to read the manual before starting the experiment and required to pay close attention to any cautions described in the laboratory exercises. • When making measurements, students are instructed to use only one hand at a time. No part of a live circuit should be touched by the bare hand. • The instruction manual provided by the manufacturer of the specific equipment should be referred, in case of doubt regarding the same, student is informed to meet instructor.
9	Software Laboratory	• The students should take utmost care while working on the computer systems in regards to their personal safety by not touching or removing power cables. • Do not unplug power cable. • Laboratory is equipped with ELCB (Earth-leakage circuit breaker) and MCB (Miniature Circuit Breaker) for electric shock protection. • Students are strictly prohibited from using and connecting storage devices like pen drives, OTG devices, Hard drives / disks etc. to any of the computer systems available in the laboratory. • Any act concerning related to eatables, drinks or any other food consumption is strictly prohibited in the laboratory. • Students are strictly instructed not to change the position of any computer system or its peripherals such as monitor, keyboard, mouse, LAN cable etc. from its place. • If any issue is faced with the computer system, then immediately report to Laboratory Assistant for solution. • Please keep the floor and equipment dry at all times. Immediately attend the spills of water or oil/chemicals, and notify other student and lab staff of the potential slipping hazards.

D3. Project Laboratory/Research Laboratory

1. Project Laboratory
2. SAE Club Activity Laboratory
3. Center for Robotics and Automation (CRA)- Robotics Activity Laboratory
4. Tinkerers Lab

PART E: First Year faculty and financial Resources

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

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) +(NS2*0.2))/(No. of required faculty (RF4)); Percentage=((NS1*0.8) +(NS2*0.2))/RF
2023-24(CAYm2)	960	48	38	29	75
2024-25(CAYm1)	1020	51	42	29	77
2025-26(CAY)	1020	51	45	29	82

E2. Budget Allocation, Utilization, and Public Accounting at Institute Level

Table No. E2.1: Budget and actual expenditure incurred at Institute level.

Items	Budgeted in 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Infrastructure Built-Up	23790000	7130691	94141895	21910646	34007425	14509388	161883377	6443377
Library	32135000	19914730	31535000	17803157	29362000	21799291	26262000	19320000
Laboratory equipment	50747000	8934417	51755000	12810805	44683000	18016465	32851000	21682000
Teaching and non-teaching staff salary	937553000	315571583	818553000	711167765	789433000	668591341	708067000	572462000
Outreach Programs	1200000	26400	1305000	1083296	1117000	1063648	883379	695794
R&D	60102000	9242566	46335000	62749165	46434000	63873869	49319000	37780032
Training, Placement and Industry linkage	22523000	420619	20922000	15802569	18931000	15741323	13706000	13997813
SDGs	6380000	1402461	9506263	5130800	7036951	4976179	5841659	6330702
Entrepreneurship	200000	0	1375000	35235	1730000	80718	970000	218812
Others, specify	886543000	275640641	930509842	651916513	904089624	662821579	731376585	640158934
Total	**2021173000**	**638284108**	**2005938000**	**1500409951**	**1876824000**	**1471473801**	**1731160000**	**1319089464**

E3. Budget Allocation, Utilization, and Public Accounting at Program Specific Level

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

Items	Budgeted in 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Laboratory equipment	1535000	29951	5746000	2380436	2850000	1248961	1401500	1273879
Software	962400	247981	952400	689819	1380000	886600	1092300	949150
SDGs	481877	105927	754405	407174	535994	379028	476379	516260
Support for faculty development	465000	136954	507000	279926	488000	161930	398000	248475
R & D	100000	69468	100000	48940	100000	65740	80000	69139
Industrial Training, Industry expert, Internship	250000	30140	300000	184634	250000	163422	150000	141098
Miscellaneous Expenses*	20000	6962	20000	14537	20000	16698	10000	7049
Total	**3814277**	**627383**	**8379805**	**4005466**	**5623994**	**2922379**	**3608179**	**3205050**