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: 10682	**Date of Submission**: 07-07-2025

PART A- Profile of the Institute

A1.Name of the Institute: Guru Jambheshwar University of Science and Technology	
Year of Establishment : 1995	Location of the Institute: Guru Jambheshwar University of Science and Technology NH-10 Hisar
A2. Institute Address:Guru Jambheshwar University of Science and Technology NH-10 Hisar Haryana-125001(INDIA)	
City:Hissar	State:Haryana
Pin Code:125001	Website:www.gjust.ac.in
Email:nks54@gjust.org	Phone No(with STD Code):1662-263320
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Not Applicable	City: Hissar
State : Haryana	Pin Code: 125001
A4. Type of the Institution: University	
A5. Ownership Status: State Government	

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

- No. of UG programs: **13**
- No. of PG programs: **7**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Computer Application	PG	Master of Computer Application	1996	--	Computer Science and Engineering
2	Engineering & Technology	UG	Artificial Intelligence and Data Science	2024	--	Artificial Intelligence and Data Science
3	Engineering & Technology	UG	Civil Engineering	2018	--	Civil Engineering
4	Engineering & Technology	UG	Computer Science and Engineering	2001	--	Computer Science and Engineering
5	Engineering & Technology	PG	Computer Science and Engineering	1995	--	Computer Science and Engineering
6	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2021	--	Computer Science and Engineering
7	Engineering & Technology	UG	Electrical Engineering	2019	--	Electrical and Electronics Engineering
8	Engineering & Technology	UG	Electronics & Communication Engineering	2001	--	Electrical and Electronics Engineering
9	Engineering & Technology	UG	Electronics & Computer Engineering	2024	--	Electrical and Electronics Engineering
10	Engineering & Technology	UG	Electronics and Biomedical Engineering	2021	--	Biomedical Engineering
11	Engineering & Technology	PG	Environmental Science & Engineering	1995	--	Environmental Science and Engineering
12	Engineering & Technology	UG	Food Technology	2007	--	Food Technology
13	Engineering & Technology	UG	Information Technology	2001	--	Computer Science and Engineering
14	Engineering & Technology	PG	Masters in Computer Applications	1996	--	Computer Science and Engineering
15	Engineering & Technology	UG	Mechanical Engineering	2004	--	Mechanical Engineering
16	Engineering & Technology	PG	Mechanical Engineering	2006	--	Mechanical Engineering
17	Engineering & Technology	UG	Printing & Packing Engineering	2016	--	Printing Technology
18	Engineering & Technology	UG	Printing Technology	1996	--	Printing Technology
19	Engineering & Technology	PG	Printing Technology	2010	--	Printing Technology
20	Management	PG	Master of Business Administration	1995	--	Management

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Electrical and Electronics Engineering	No	Electrical Engineering	UG
Printing Technology	No	Printing Technology	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	2019 / --	60	No	NA	60	2019	1-44640956817	Applying first time	01/07/2018	30/06/2025	0	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 :	PRITI PRABHAKAR
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2024-25 (CAY)	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)	2020-21 (CAYm4)	2019-20 (CAYm5)	2018-19 (CAYm6)

N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	60	60	60	60
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	60	60	58	60	59	59	16
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	7	12	12	12	12	3
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	60	67	70	72	71	71	19

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2024-25 (CAY)	60	60	0	100.00
2023-24 (CAYm1)	60	60	0	100.00
2022-23 (CAYm2)	60	58	0	96.67

Average [(ER1 + ER2 + ER3) / 3] = 98.89≡ 20.00

B5. Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.

Item	(2020-21) LYG	(2019-20) LYGm1	(2018-19) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	72.00	72.00	63.00
B=No. of students who graduated from the program in the stipulated course duration	56.00	55.00	55.00
Success Rate (SR)= (B/A) * 100	77.78	76.39	87.30

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 80.49

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

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

Academic Performance	CAYm1(2023-24)	CAYm2(2022-23)	CAYm3 (2021-22)
Mean of CGPA or mean percentage of all successful students(X)	7.50	7.20	8.50
Y=Total no. of successful students	55.00	56.00	56.00
Z=Total no. of students appeared in the examination	60.00	60.00	60.00
API [X*(Y/Z)]	6.88	6.72	7.93

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

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	6.61	6.57	7.05
Y=Total no. of successful students	62.00	64.00	62.00
Z=Total no. of students appeared in the examination	80.00	80.00	77.00
API [X * (Y/Z)]	5.12	5.26	5.68

Average API [(AP1 + AP2 + AP3)/3] : 5.35

B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	6.96	6.71	7.06
Y=Total no. of successful students	62.00	60.00	58.00
Z=Total no. of students appeared in the examination	64.00	62.00	60.00
API [X*(Y/Z)]:	6.74	6.49	6.82

Average API [(AP1 + AP2 + AP3)/3] : 6.68

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2020-21)	LYGm1(2019-20)	LYGm2(2018-19)
FS*=Total no. of final year students	72.00	72.00	63.00
X=No. of students placed	48.00	47.00	45.00
Y=No. of students admitted to higher studies	4.00	8.00	3.00
Z= No. of students taking up entrepreneurship	2.00	0.00	2.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	75.00	76.39	79.37

Average Placement Index = (P_1 + P_2 + P_3)/3: 76.92 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	SANDEEP KUMAR ARYA	XXXXXXX48M	Ph.D	NIT, KKR	OPTICAL COMMUNICATION	09/09/2004	20.8	Associate Professor	Professor	09/09/2020	Regular	Yes		No
2	SANJEEV KUMAR DHULL	XXXXXXX78R	Ph.D	GJUST, HISAR	ADVANCE SIGNAL PROCESSING, DSP,	30/08/2006	18.8	Assistant Professor	Professor	07/11/2016	Regular	Yes		No
3	DEEPAK KEDIA	XXXXXXX95B	Ph.D	GJUST, HISAR	WIRELESS AND OPTICAL COMMUNICATION	01/03/2005	20.2	Assistant Professor	Professor	01/03/2018	Regular	Yes		No

4	SUMAN DAHIYA	XXXXXXX79R	M.Tech	GJUST, HISAR	WIRELESS COMMUNICATION	30/08/2006	18.8	Assistant Professor	Associate Professor	30/08/2019	Regular	Yes		No
5	PRITI PRABHAKAR	XXXXXXX97F	Ph.D	NIT, KKR	POWER SYSTEMS	05/09/2006	18.8	Assistant Professor	Associate Professor	05/09/2019	Regular	Yes		Yes
6	RAMNISH KUMAR	XXXXXXX17E	Ph.D	GJUST, HISAR	DEVICE MODELING	08/09/2006	18.8	Assistant Professor	Associate Professor	26/02/2021	Regular	Yes		No
7	PRIYANKA DALAL	XXXXXXX84C	Ph.D	GJUST, HISAR	ANTENNAS, RF, MICROWAVE, SIGNAL PROCESSING	08/11/2013	11.6	Assistant Professor	Assistant Professor		Regular	Yes		No
8	AJAY KUMAR	XXXXXXX76H	Ph.D	GJUST, HISAR	OPTICAL COMMUNICATION, ANALOG ELECTRONICS	07/11/2013	11.6	Assistant Professor	Assistant Professor		Regular	Yes		No
9	VINOD KUMAR	XXXXXXX89F	Ph.D	GJUST, HISAR	ARRAY SIGNAL PROCESSING	07/11/2013	11.6	Assistant Professor	Assistant Professor		Regular	Yes		No
10	VIJAY PAL SINGH	XXXXXXX78R	Ph.D	GJUST, HISAR	PV SOLAR TECHNOLOGY, OPTIMISATION TECHNIQUES, DIGITAL DESIGNING	08/11/2013	11.6	Assistant Professor	Assistant Professor		Regular	Yes		No
11	RITU	XXXXXXX06L	Ph.D	GJUST, HISAR	SIGNAL PROCESSING	08/11/2013	11.6	Assistant Professor	Assistant Professor		Regular	Yes		No
12	KULDEEP	XXXXXXX17F	Ph.D	GJUST, HISAR	VLSI DESIGN	08/11/2013	11.6	Assistant Professor	Assistant Professor		Regular	Yes		No
13	ABHIMANYU NAIN	XXXXXXX85D	Ph.D	MDU, ROHTAK	OPTICAL COMMUNICATION	23/07/2014	10.10	Assistant Professor	Assistant Professor		Regular	Yes		No
14	MANISHA	XXXXXXX07F	Ph.D	GJUST, HISAR	MACHINE LEARNING AND DEEP LEARNING	23/07/2014	10.10	Assistant Professor	Assistant Professor		Regular	Yes		No
15	SARDUL SINGH DHAYAL	XXXXXXX37A	Ph.D	GJUST, HISAR	THIN FILM DEVICES PHOTOELECTRIC DEVICES	24/07/2014	10.10	Assistant Professor	Assistant Professor		Regular	Yes		No
16	VINITA	XXXXXXX08R	M.Tech	GJUST, HISAR	FIBER OPTICS, SOLAR FORECASTING	24/07/2014	10.10	Assistant Professor	Assistant Professor		Regular	Yes		No
17	SUMIT	XXXXXXX31Q	Ph.D	MMU	ELECTRICAL ENGINEERING	10/09/2018	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
18	ANUJ SINGHAL	XXXXXXX85Q	Ph.D	GJUST, HISAR	WIRELESS COMMUNICATION	19/08/2011	13.9	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
19	TWINKLE KUNDU	XXXXXXX63E	M.Tech	KUK	ELECTRONICS AND COMMUNICATION	17/08/2012	12.9	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
20	DEEPAK GARG	XXXXXXX28J	Ph.D	GJUST, HISAR	ELECTRONICS & COMMUNICATION	19/08/2013	11.9	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
21	MANISHA SAINI	XXXXXXX18G	M.Tech	GJUST, HISAR	VLSI	13/08/2014	10.9	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
22	KRISHAN KUMAR	XXXXXXX10G	Ph.D	MDU, ROHTAK	ELECTRICAL ENGINEERING	13/08/2014	10.9	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
23	ADITYA KUMAR	XXXXXXX98L	M.Tech	IIT, ROORKEE	SIGNAL PROCESSING	14/08/2014	10.9	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
24	SUNNY JAMB	XXXXXXX50A	M.Tech	GJUST, HISAR	VLSI DESIGN AND EMBEDDED SYSTEM	14/08/2014	10.9	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
25	KALYAN SINGH	XXXXXXX51R	M.Tech	MDU, ROHTAK	ELECTRICAL ENGINEERING	15/01/2020	5.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
26	CHARANJEET MADAN	XXXXXXX89D	Ph.D	DCRUST, MURTHAL	RENEWABLE ENERGY, OPTIMIZATION TECHNIQUES ARTIFICAL INTELLIGENCE	18/12/2020	4.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
27	NISHA SHARMA	XXXXXXX86B	M.Tech	MDU, ROHTAK	INSTRUMENTATION AND CONTROL	06/02/2021	4.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
28	RAJENDER KUMAR	XXXXXXX61Q	Ph.D	DCRUST, MURTHAL	POWER SYSTEMS SIGNAL PROCESSING	03/03/2021	4.2	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
29	MOHAN	XXXXXXX46R	M.Tech	IIT, BHUVENESHWAR	ANTENNA ENGG.	14/08/2014	9.11	Assistant Professor	Assistant Professor		Contractual Fulltime	No	16/07/2024	No

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

C2. Student-Faculty Ratio (SFR)

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

No. of UG Programs in the Department3 No. of PG Programs in the Department0
Table No.C2.1: Student-faculty ratio.

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1.B	66	66	66
UG1.C	66	66	66
UG1.D	66	66	66
UG1: Electronics & Communication Engineering	**198**	**198**	**198**
UG2.B	0	0	0
UG2.C	0	0	0
UG2.D	0	0	0
UG2: Electronics & Computer Engineering	**0**	**0**	**0**
UG3.B	66	66	66
UG3.C	66	66	66

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG3.D	66	66	66
UG3: Electrical Engineering	**198**	**198**	**198**
DS=Total no. of students in all UG and PG programs in the Department	396	396	396
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=** 396	**S3=** 396
DF=Total no. of faculty members in the Department	28	29	29
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=** 28	**F2=** 29	**F3=** 29
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= 14.14**	**SFR2= 13.66**	**SFR3= 13.66**
Average SFR for 3 years	**SFR= 13.82**		

C3. Faculty Qualification

- Faculty qualification index (FQI) = 2.5 * [(10X +4Y)/RF] where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = 2.5 x [(10X + 4Y) / RF)]
2024-25(CAY)	18	10	19.00	28.95
2023-24(CAYm1)	15	14	19.00	27.11
2022-23(CAYm2)	15	14	19.00	27.11

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = 1/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents:.
- RF2= No. of Associate Professors required = 2/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- RF3= No. of Assistant Professors required = 6/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

Table No.C4.1: Faculty cadre proportion details.

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2024-25	2.00	3.00	4.00	2.00	13.00	12.00
2023-24	2.00	3.00	4.00	2.00	13.00	12.00
2022-23	2.00	3.00	4.00	2.00	13.00	12.00
Average	RF1=2.00	AF1=3.00	RF2=4.00	AF2=2.00	RF2=13.00	AF2=12.00

C5. Visiting/Adjunct Faculty/Professor of Practice

Table No. C5.1: List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms Richa	Assistant Professor	GJUS&T Hisar	Basics of Electrical Engineering	18.00
2	Ms Anita Soni	Assistant Professor	GJUS&T Hisar	Basics of Electrical Engineering	18.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms Richa	Assistant Professor	GJUS&T Hisar	Basics of Electrical Engineering	18.00
2	Ms Anita Soni	Assistant Professor	GJUS&T Hisar	Basics of Electrical Engineering	18.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms Richa	Assistant Professor	GJUS&T Hisar	Basics of Electrical Engineering	18.00
2	Ms Anita Soni	Assistant Professor	GJUS&T Hisar	Basics of Electrical Engineering	18.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)
1	No. of peer reviewed journal papers published	40	27	21
2	No. of peer reviewed conference papers published	9	15	14
3	No. of books/book chapters published	2	0	3

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. Deepak Kedia/ Dr. Kuldeep Singh/ Dr. Sumit			Incubation Centre	DITECH, Govt. of Haryana	5 years	30.00
Dr. Sumit/ Dr. Vijaypal		centralized	AICTE-IDEA Lab	AICTE	6/6/2022 to till	110.00
						Amount received (Rs.):140.00

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Deepak Kedia/ Dr. Kuldeep Singh/ Dr. Sumit			Incubation Centre	DITECH, Govt. of Haryana	5 years	30.00
Dr. Sumit/ Dr. Vijaypal		centralized	AICTE-IDEA Lab	AICTE	6/6/2022 to till	110.00
						Amount received (Rs.):140.00

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Deepak Kedia/ Dr. Kuldeep Singh/ Dr. Sumit			Incubation Centre	DITECH, Govt. of Haryana	5 years	30.00
Dr. Sumit/ Dr. Vijaypal		centralized	AICTE-IDEA Lab	AICTE	6/6/2022 to till	110.00
Dr. Sumit			Cost effective multi-functional prosthesis for disabled person	PDUIIC, GJUST, Hisar under RUSA-2.0 MHRD	31/03/2021	20.00
						Amount received (Rs.):160.00

Total Amount (Lacs) Received for the Past 3 Years: 440.00

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)

(CAYm3)

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

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. Ritu	IoT based smart monitoring system for swimming pool	6 months	1.10	0.38	Research paper communicated to journal
Dr. Manisha	IoT based smart monitoring system for swimming pool	6 Months	1.10	0.38	Research paper communicated to journal
Mr. Sardul Singh Dhayal	Fabrication and characterization of Organic Field Effect Transistor	6 months	1.10	1.08	Paper Published
Ms. Vinita	To study the green synthesis of silver nanoparticles for sensing applications	6 months	1.35	1.35	Research paper communicated to journal
			Amount received (Rs.): 4.65		

(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
0	0	0	0.00	0.00	0
			Amount received (Rs.): 0.00		

(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 Sardul Singh Dhayal	Fabrication & Characterization of Organic Field Effect Transistors	6 months	1.10	1.08	1
			Amount received (Rs.): 1.10		

Total amount (Lacs) received for the past 3 years : 5.75

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

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

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

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Electrical Machines -I Laboratory	25	All Demonstration Kits	9 hrs	Mr. Arvind	Lab Technician	B.Tech
2	Electrical Workshop	25	All Demonstration Kits	6 hrs	Mr.Vivek	Lab Technician	Diploma in EE
3	Power Electronics Laboratory	25	All Demonstration Kits	6 hrs	Ms. Babita	Lab Technician	Diploma in EE
4	Electrical Machines-II Laboratory	25	All Demonstration Kits	9 hrs	Mr. Arvind	Lab Technician	B.Tech
5	Power Systems-I Laboratory	25	All Demonstration Kits	6 hrs	Mr. Vivek	Lab Technician	Diploma in EE
6	Advanced Power Electronics and Drives Laboratory	25	All Demonstration Kits	6 hrs	Ms. Babita	Lab Technician	Diploma in EE
7	Control systems-I Laboratory	25	All Demonstration Kits	6 hrs	Mr. Arvind	Lab Technician	B.Tech
8	Power System-II Laboratory	25	All Demonstration Kits	6 hrs	Mr. Vivek	Lab Technician	Diploma in EE
9	Electrical Measurements and Instrumentation Laboratory	25	All Demonstration Kits	6 hrs	Mr. Vivek	Lab Technician	Diploma in EE

10	Control Systems-II Laboratory	25	All Demonstration Kits	6 hrs	Mr. Arvind	Lab Technician	B.Tech
11	Computer Methods in Power Systems Laboratory	25	All Demonstration Kits	6 hrs	Mr. Hari Om	Lab Attendant	M.A.
12	Project	25	All Demonstration Kits	24 hrs	Mr. Vivek	Lab Technician	Diploma in EE
13	Electronic Devices and Circuits Laboratory	25	All Demonstration Kits	6 hrs	Mr. Suresh	Lab Technician	Diploma in ECE
14	Microprocessors and Microcontrollers Laboratory	25	All Demonstration Kits	6 hrs	Mr. Sudreshan	Lab Technician	Diploma in ECE,B.A
15	Basics of Electrical Engineering	25	All Demonstration Kits	36 hrs	Ms. Babita	Lab Technician	Diploma in EE
16	Advance Communicitation Lab,	20	Optsim V5.2,Qualnet Software, Optisystem,PC	12 hrs	Sh. Sukhdev	Lab Technician	10+2
17	Communication Lab	20	DSO,Function Generator,AM,FM,PM,ASK,PSK,QPSK Kits	6 hrs	Sh. Sukhdev	Lab Technician	10+2
18	VLSI Lab	20	Xilinx Vivado 2019 version 25 users and FPGA boards Mentor Graphics,	12 hrs	Sh. Laxmi Narayan	Technical Assistant G-I	M.A. Mass Com
19	Software simulation lab	20	MATLAB,ORCAD simulation PCB design software, PADK Bundle	12 hrs	Sh. Laxmi Narayan	Technical Assistant G-I	M.A. Mass Com
20	Digital Electronic lab	20	All Experimental Kits	12 hrs	Sh. Suresh Kumar	Lab Attendant	10+2
21	Antenna, Microwave, Research Lab	20	Ansys HFSS Liscence, 1 server+6 computer, Microwave bench	12 hrs	Sh. Sukhdev	Lab Technician	10+2
22	Microprocessor Lab	20	Microprocessor experimental kits,(8085,8086), Interfacing Cards	12 hrs	Sh. Sudarshan	Lab Attendant	Graduate
23	EMI Lab	20	All Demonstration kits	12 hrs	Sh. Sudarshan	Lab Attendant	Graduate
24	Analog Electronic Lab	20	DSO,Function Generator, All Demonstration Kits	12 hrs	Sh. suresh Kumar	Lab Attendant	10+2
25	Embedded System Lab	20	ARM, MP Lab Software,Arduino	12 hrs	Sh. Sukhdev	Lab Technician	10+2
26	Project lab	20	PCB drill machine ,CRO,NVIS 840 T	12 hrs	SH. Naveen Kukreja	Lab Technician	10th

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Electrical Machines -I Laboratory	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
2	Electrical Workshop	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
3	Power Electronics Laboratory	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
4	Electrical Machines-II Laboratory	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
5	Power Systems-I Laboratory	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
6	Advanced Power Electronics and Drives Laboratory	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
7	Control Systems-I Laboratory	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
8	Power Systems-II Laboratory	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
9	Electrical Measurements and Instrumentation Laboratory	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
10	Control Systems-II Laboratory	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
11	Computer Methods in Power Systems Laboratory	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
12	Project	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.

13	Electronic Devices and Circuits Laboratory	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
14	Advanced Communication Lab	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
15	Communication Lab	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
16	VLSI Lab Software simulation Lab	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
17	Digital Electronic Lab	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
18	Lab, Research	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
19	Antenna, Microwave Lab	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
20	ET/NT Lab Lab	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
21	Microprocessor Lab	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
22	EMI Lab	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
23	Analog Electronic Lab	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
24	Embedded Lab	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
25	Project Lab	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.
26	Basics of Electrical Engineering	All Labs are properly earthed and electrically insulated. Fire extinguisher are also installed in labs.

D3. Project Laboratory/Research Laboratory

7.5.1 Research Facilities/ Centre of excellence (30)

Sr. No.	Name of the laboratory	Specialized Equipment Name and Details
1.	Research Lab	HP Workstation With Linux (Core2duo, 1.8 GHz, 2GB RAM), Qty: 20
		Mentor Graphics IC Design Suite for back end Physical VLSI Design, 50 users License
		Dell Workstation (Intel Xeon, 3.1 GHz, 8 GB RAM, 1 TB HDD, Windows 10 Pro), Qty:20
		MATLAB Software 10 Users License with following Toolboxes: SIMULINK Signal Processing Toolbox Audio system tool box Phased Array Toolbox Communication system toolbox Optimization toolbox Global optimization toolbox Fuzzy logic toolbox Neural network tool box LTE System Toolbox Image forecasting toolbox Computer Vision System Toolbox
		VHDL Language
		Verilog Language
2.	FPGA Lab	FPGA development board and supporting tools: XilinixVivado Software, 25 users Ultrascale FPGA Acceleration Development Kit Ultrascale MPSOC Kit FPGA Board (with MPSOC-ARM+ FPGA) All Programmble SOC Evaluation Kit Integrated RF Transceiver(SDR) Board
3.	Advance communication Lab	Optisystem software (05 user)
		Rsoft Optsim software (02 user)
		Qualnet software (01)
4.	Central Instrumentation Lab	UV-VIS-NIR Spectrophotometer UV-VIS-NIR Spectrophotometer FTIR Spectrometer Fourier-transform infrared Spectroscopy (FTIR) Lyophilizer FT-NMR Spectrometer Differential Scanning Calorimeter (DSC) Microwave Plasma Atomic Emissions Spectrometer (MP-AES) Microwave Synthesizer Mass Spectrometer – Liquid Chromatography Mass Spectrometry (LC-MS/MS QTOF) Ultra-High Performance Liquid Chromatography (UHPLC) High Resolution Field Emission Scanning Electron Microscope with EDS (FE-SEM)
5.	University Computer and Informatics Centre	Desktop Computers (Intel i5, 4 GB RAM, 1 TB HDD, Windows 10 Pro), Qty. 227
6.	Innovation & Incubation Centre- AICTE IDEA Lab	PCB Fabrication Machine, IoT development boards & components, 3D Printer, 3D scanner, Laser Cutter, CNC Wood cutter and other accessories for smart manufacturing

PART E: First Year faculty and financial Resources

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

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) +(NS2*0.2))/RF
2022-23(CAYm2)	630	32	32	6	84
2023-24(CAYm1)	630	32	33	7	87
2024-25(CAY)	810	40	34	8	72

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	1040483000	99418000	318500000	40609000	343000000	60339000	321500000	76651000

Library	15810000	8151000	11675000	11208000	13925000	9161000	13925000	8469000
Laboratory equipment	110785000	43915000	40470000	27380000	42875000	18484000	38770000	20034000
Teaching and non-teaching staff salary	1842246000	1274800000	1625800000	1264301000	1628215000	1034925000	1483300000	993812000
Outreach Programs	2422500	1576500	1435000	515000	1350000	400000	1350000	103000
R&D	2560000	1468000	2560000	1717000	1520000	1484000	1520000	1433000
Training, Placement and Industry linkage	1425000	606000	1375000	389000	1500000	321000	1620000	262000
SDGs	2422500	1576500	1435000	515000	1350000	400000	1350000	103000
Entrepreneurship	4569000	1474000	6096000	1637000	16413000	1130000	30660000	14966000
Others, specify	0	0	0	0	0	0	0	0
Total	**3022723000**	**1432985000**	**2009346000**	**1348271000**	**2050148000**	**1126644000**	**1893995000**	**1115833000**

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	2500000	0	1600000	650663	1500000	105940	2250000	1552767
Software	0	0	0	0	0	0	0	0
SDGs	0	0	0	0	0	0	0	0
Support for faculty development	1500000	116500	880000	864623	350000	246670	300000	64782
R & D	0	0	0	0	0	0	0	0
Industrial Training, Industry expert, Internship	0	0	0	0	0	0	0	0
Miscellaneous Expenses*	241000	8915	88000	86714	96000	95196	307000	69942
Total	**4241000**	**125415**	**2568000**	**1602000**	**1946000**	**447806**	**2857000**	**1687491**