

NATIONAL BOARD OF ACCREDITATION

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

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

Program Name : Electronics & Communication Engineering	Discipline: Engineering & Technology
Level : Under Graduate	Tier: 2
Application No: 11851	Date of Submission: 01-06-2026

PART A- Profile of the Institute

A1.Name of the Institute: Ganga Institute of Technology and Management	
Year of Establishment : 2008	Location of the Institute: JHAJJAR
A2. Institute Address: 20 KM Milestone Bahadurgarh Jhajjar Road Kablana(Jhajjar) Haryana-124104	
City:Jhanjhar	State:Haryana
Pin Code:124104	Website:www.gangainstitute.com
Email:gitmkablana@gmail.com	Phone No(with STD Code):01251-299645
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Maharshi Dayanand University Rohtak	City: Rohtak
State : Haryana	Pin Code: 124001
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **8**
- No. of PG programs: **9**

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 in Computer Applications	2010	--	Computer Application
2	Engineering & Technology	UG	Civil Engineering	2010	--	Civil Engineering
3	Engineering & Technology	UG	Computer Science and Engineering	2008	--	Computer Science and Engineering
4	Engineering & Technology	PG	Computer Science and Engineering	2011	--	Computer Science and Engineering
5	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2023	--	Computer Science and Engineering
6	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2023	--	Computer Science and Engineering
7	Engineering & Technology	PG	Cyber Security	2013	--	Computer Science and Engineering
8	Engineering & Technology	UG	Electrical Engineering	2013	--	Electrical Engineering
9	Engineering & Technology	PG	Electrical Power Systems	2011	--	Electrical Engineering
10	Engineering & Technology	UG	Electronics & Communication Engineering	2008	--	Electronics and Communication Engineering
11	Engineering & Technology	PG	Electronics & Communication Engineering	2011	--	Electronics and Communication Engineering
12	Engineering & Technology	UG	Fire Technology and Safety	2013	--	Fire Technology and Safety

13	Engineering & Technology	PG	Machine Design	2013	--	Mechanical Engineering
14	Engineering & Technology	PG	Manufacturing & Automation	2013	--	Mechanical Engineering
15	Engineering & Technology	UG	Mechanical Engineering	2010	--	Mechanical Engineering
16	Engineering & Technology	PG	Structural Design	2013	--	Civil Engineering
17	Management	PG	Master of Business Administration	2009	--	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
Electronics and Communication Engineering	No	Electronics & Communication 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/COMPET AUTHORITY AR DETAILS
1	Electronics & Communication Engineering	UG	2008 / --	90	Yes	2023	60	2023	F.NO-NORTH-WI 41103919918/20:

Sanctioned Intake for Last Five Years for the Electronics & Communication Engineering	
Academic Year	Sanctioned Intake
2025-26	60
2024-25	60
2023-24	60
2022-23	90
2021-22	60
2020-21	60

List of the Allied Departments/Cluster and Programs:

B2. Detail of Head of the Department for the program under consideration:

A. Name of the HoD :	Dr. RAKESH KUMAR
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)

N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	90	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	28	43	21	5	5	6	21
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	19	21	56	31	54	41
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.	28	62	42	61	36	60	62

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

B4. Enrolment Ratio in the First Year

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

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	60	28	0	46.67
2024-25 (CAYm1)	60	43	0	71.67
2023-24 (CAYm2)	60	21	0	35.00

Average [(ER1 + ER2 + ER3) / 3] = 51.11≡ 8.00

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

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

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	66.00	66.00	66.00
B=No. of students who graduated from the program in the stipulated course duration	19.00	34.00	55.00
Success Rate (SR)= (B/A) * 100	28.79	51.52	83.33

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 54.55

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

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

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
X=(Mean of 1st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10)	6.63	7.21	6.28
Y=Total no. of successful students	41.00	18.00	5.00
Z=Total no. of students appeared in the examination	43.00	21.00	5.00
API [X*(Y/Z)]	6.32	6.18	6.28

Average API[(AP1+AP2+AP3)/3] : 6.26

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)	6.86	6.95	6.70
Y=Total no. of successful students	31.00	48.00	28.00
Z=Total no. of students appeared in the examination	39.00	61.00	35.00
API [X * (Y/Z)]	5.45	5.47	5.36

Average API [(AP1 + AP2 + AP3)/3] : 5.43

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)	7.83	7.03	7.50
Y=Total no. of successful students	41.00	23.00	35.00
Z=Total no. of students appeared in the examination	48.00	28.00	41.00
API [X*(Y/Z)]:	6.69	5.77	6.40

Average API [(AP1 + AP2 + AP3)/3] : 6.29

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	66.00	66.00	66.00
X=No. of students placed	16.00	21.00	37.00
Y=No. of students admitted to higher studies	0.00	0.00	3.00
Z= No. of students taking up entrepreneurship	0.00	1.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	24.24	33.33	62.12

Average Placement Index = (P_1 + P_2 + P_3)/3: 39.90 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)
1	Dr. RAKESH KUMAR	XXXXXXXX51H	Ph.D	SGV, UNIVERSITY JAIPUR(RAJ)	SPEECH RECOGNITION SYSTEMS	22/02/2011	15.2	Assistant Professor	Professor	11/02/2020	Regular
2	Dr. NITIN KUMAR	XXXXXXXX64C	Ph.D	GGSIPIU, Dwarka, New Delhi	LOW POWER VLSI DESIGN	01/08/2011	14.9	Assistant Professor	Professor	01/08/2024	Regular
3	Dr. VIVEK KUMAR	XXXXXXXX90R	Ph.D	SUNRISE UNIVERSITY ALWAR (RAJASTHAN)	ELECTRONICS & COMMUNICATION ENGG.	01/08/2012	13.9	Assistant Professor	Professor	01/05/2023	Regular
4	Dr. HITANSHU SALUJA	XXXXXXXX41A	Ph.D	MANAV RACHNA INTERNATIONAL UNIVERSITY FARIDABAD	VHDL DESIGNING	01/07/2022	3.10	Assistant Professor	Professor	01/08/2024	Regular
5	Mr. SATISH KUMAR	XXXXXXXX10E	M.Tech	M.D. University,Rohtak	DATA COMMUNICATION	31/07/2012	13.9	Assistant Professor	Assistant Professor		Regular

6	MR. AMIT DALAL	XXXXXXXX05B	M.Tech	M.D. University,Rohtak	ANTEENA DESIGNING	01/08/2011	14.9	Assistant Professor	Assistant Professor		Regular
7	Ms. LALINA	XXXXXXXX45C	M.Tech	M.D. University,Rohtak	ELECTRONICS & COMMUNICATION ENGG.	01/08/2013	12.9	Assistant Professor	Assistant Professor		Regular
8	Mr. VISHAL MUNJAL	XXXXXXXX36K	M.Tech	M.D. University,Rohtak	ELECTRONICS & COMMUNICATION ENGG.	28/08/2019	6.8	Assistant Professor	Assistant Professor		Regular
9	Ms. GAGAN PREET KAUR	XXXXXXXX15D	M.Tech	M.D. University,Rohtak	ELECTRONICS & COMMUNICATION ENGG.	01/07/2022	3.10	Assistant Professor	Assistant Professor		Regular
10	Ms. RITU	XXXXXXXX51F	M.Tech	M.D. University,Rohtak	ELECTRONICS & COMMUNICATION ENGG.	01/07/2022	0.10	Assistant Professor	Assistant Professor		Regular
11	Ms. RITU JUNEJA	XXXXXXXX76P	M.Tech	M.D. University,Rohtak	ELECTRONICS & COMMUNICATION ENGG.	16/07/2022	3.9	Assistant Professor	Assistant Professor		Regular
12	Ms. NEETU	XXXXXXXX11N	M.Tech	M.D. University,Rohtak	ELECTRONICS & COMMUNICATION ENGG.	01/04/2023	3.1	Assistant Professor	Assistant Professor		Regular
13	Dr. RISHU BHATIA	XXXXXXXX65C	Ph.D	SAI NATH UNIVERSITY, JHARKHAND	WIRELESS COMMUNICATION	01/08/2011	14.7	Assistant Professor	Professor	01/10/2022	Regular
14	Dr. SHANKAR KUMAR VIJAY	XXXXXXXX95Q	Ph.D	AMITY UNIVERSITY	ANTEENA DESIGNING	02/08/2013	11.9	Assistant Professor	Associate Professor	08/08/2023	Regular
15	Mr. Dhruv Malik	XXXXXXXX98J	M.Tech	MMU Mullana, Ambala	Electronics & Communication Engg.	01/08/2024	1.9	Assistant Professor	Assistant Professor		Regular
16	Ms. Sonia Arora	XXXXXXXX97Q	M.Tech	University of Delhi	Microwave Electronics	15/07/2025	0.9	Assistant Professor	Assistant Professor		Regular
17	Ms. Ritu Devi	XXXXXXXX30K	M.Tech	M.D. University,Rohtak	ELECTRONICS & COMMUNICATION ENGG.	01/08/2025	0.9	Assistant Professor	Assistant Professor		Regular
18	Mr. Parveen Kumar	XXXXXXXX70E	M.Tech	M.D. University,Rohtak	ELECTRONICS & COMMUNICATION ENGG.	25/10/2021	4.3	Assistant Professor	Assistant Professor		Regular
19	Ms. Rashmi Kiran	XXXXXXXX37N	M.Tech	M.D. University,Rohtak	ELECTRONICS & COMMUNICATION ENGG.	01/08/2024	0.9	Assistant Professor	Assistant Professor		Regular
20	Mr. BHUSHAN CHAND AGGARWAL	XXXXXXXX38C	M.Tech	M.D. University,Rohtak	ELECTRONICS & COMMUNICATION ENGG.	01/08/2023	2.9	Assistant Professor	Assistant Professor		Regular
21	Ms. KAVITA CHAUDHARY	XXXXXXXX35H	M.Tech	M.D. University,Rohtak	ELECTRONICS & COMMUNICATION ENGG.	01/07/2023	1.7	Assistant Professor	Assistant Professor		Regular
22	Ms. DEEPANSHI	XXXXXXXX62M	M.Tech	Guru Jambheshwar University of Science & Technology	ELECTRONICS & COMMUNICATION ENGG.	10/08/2023	2.9	Assistant Professor	Assistant Professor		Regular
23	Ms. RITU	XXXXXXXX51F	M.Tech	M.D. University,Rohtak	ELECTRONICS & COMMUNICATION ENGG.	01/08/2024	1.9	Assistant Professor	Assistant Professor		Regular

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	66	66	99
UG1.C	66	99	66
UG1.D	99	66	66
UG1: Electronics & Communication Engineering	231	231	231
PG1.A	18	30	30
PG1.B	30	30	30
PG1: Electronics & Communication Engineering	48	60	60
DS=Total no. of students in all UG and PG programs in the Department	279	291	291
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= 279	S2= 291	S3= 291
DF=Total no. of faculty members in the Department	17	19	17
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	F1= 17	F2= 19	F3= 17
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= 16.41	SFR2= 15.32	SFR3= 17.12
Average SFR for 3 years	SFR= 16.28		

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)	4	13	13.00	17.69
2024-25(CAYm1)	6	13	14.00	20.00
2023-24(CAYm2)	6	11	14.00	18.57

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	2.00	4.00	3.00	0.00	9.00	13.00
2024-25	2.00	5.00	3.00	1.00	10.00	13.00
2023-24	2.00	3.00	3.00	3.00	10.00	11.00
Average	RF1=2.00	AF1=4.00	RF2=3.00	AF2=1.33	RF2=9.67	AF2=12.33

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	Mr. Rajesh Sharma	CEO	Founder and CEO- Chip soft Instrumentation	Fiber Optic Communication	37.00
2	Mr. Rajesh Sharma	CEO	Founder and CEO- Chip soft Instrumentation	Embedded System	27.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms. Ritu Devi	TUTOR	Tutor, Being Smart Institute Chandigarh	Fiber Optic Communication	30.00
2	Mr. Abhishek Gupta	Director	Sysmat Research Solution	Embedded System	24.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Gautam	Research Scholar	Thapar Institute of Engineering and Technology	Fiber Optical Communication	28.00
2	Ms. Ritu Devi	TUTOR	Tutor,Being Smart Institute Chandigarh	Embedded System	30.00

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	27	16	22
2	No. of peer reviewed conference papers published	9	7	5
3	No. of books/book chapters published	0	1	1

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. Rakesh Joon	Gagan Preet Kaur	Department of Telecommunications (Govt. of India) and Consultants India Limited (TCIL)	ADVICA.AI	Department of Telecommunications (Govt. of India) and Consultants India Limited (TCIL)	10 Months	1.00
						Amount received (Rs.):1.00

(CAYm2)

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 1.00

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)

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. Rakesh Kumar Joon	Dr. Rishu Bhatia, Dr. Shankar Kumar Vijay	ECE Deptt.	Development of Intelligent LED Lighting Solution for Smart Cities	M/s Glitup LED Light Solution	4 Months	0.80
Dr. Hitanshu Saluja	Mr. Satish, Ms. Ritu Juneja	ECE Deptt.	Implementation of Optimization Techniques in PLC Control Systems to Improve Productivity and System Longevity	Unique Automation	4 Months	1.21
						Amount received (Rs.):2.01

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years: 2.01

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)

(CAYm2)

(CAYm3)

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

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	ELECTRONIC DEVICES LAB (LC-ECE-203G)	4	• SCR Ch. Kit • Diac Ch. Kit. FET Amplifier Kit: • Common Source	4 Hours/Week	Mr. Manish Ku	Lab Technicia	B.Tech
2	NETWORK THEORY LAB (LC-ECE-212G)	4	• Tina Pro Software (Circuit Simulator) Transient Response of: •	4 Hours/Week	Mr. Rajpal	Lab Technicia	Diploma
3	PCB & ELECTRONIC WORKSHOP LAB (LC-	4	• EDWin XP ECAD Design Software • PCB Screen Printing	4 Hours/Week	Mr. Rajpal	Lab Technicia	Diploma
4	COMMUNICATION SYSTEM LAB (LC-ECE-	4	• Modulation and Demodulation Kits • FSK • ASK • PSK •	4 Hours/Week	Mr. Rajpal	Lab Technicia	Diploma
5	ANALOG CIRCUITS LAB (LC-ECE-208G)	4	• Transistor Ch. Trainer • Three Terminal IC Regulator Kit • CRO •	4 Hours/Week	Mr. Khushal Ki	Lab Technicia	B.Tech

6	DIGITAL ELECTRONICS LAB (LC-ECE-207G)	4	• Digital Lab Trainer • Digital IC Trainer • Logic Gate Using 6 TTL • LM555 & Digital IC Trainer	4 Hours/Week	Mr. Manish Ku	Lab Technician	B.Tech
7	MICROCONTROLLERS LAB (LC-ECE-214G)	4	• Microprocessor 8085 & 8086 Trainer Kit • PPI (8255) Study Card • Stepper Motor Controller	4 Hours/Week	Mr.Amit Dalal	Lab Technician	Diploma
8	ELECTROMAGNETIC WAVES LAB (LC-ECE323G)	4	• Fixed Attenuator • Gunn Based Microwave Bench • Klystron Based Microwave Bench • Modulator	4 Hours/Week	Mr. Khushal Ki	Lab Technician	B.Tech
9	DIGITAL SIGNAL PROCESSING LAB (LC-	4	• CPLD Trainer • VLSI (FPGA) Trainer • DSP Hardware Trainer (M/DSP 300) • CPU / AI	4 Hours/Week	Mr.Amit Dalal	Lab Technician	Diploma
10	COMPUTER NETWORK LAB (LC- ECE322G)	4	• Data Communication Trainer • Fiber Optic Cable • LAN Trainer • Remote Control For Keyboard	4 Hours/Week	Mr.Amit Dalal	Lab Technician	Diploma
11	CONTROL SYSTEM LAB (LC- ECE324G)	4	• Function Generator 1Mhz • CRO • AC Servo Motor • Motor Drive Amplifier	4 Hours/Week	Mr. Khushal Ki	Lab Technician	B.Tech
12	DATA COMMUNICATION NETWORKING LAB (LC-	4	• Carrier Demodulation And Data Reformatting Receiver • Data Reformatting And Carrier Modulation	4 Hours/Week	Mr. Amit Dalal	Lab Technician	Diploma
13	WIRELESS & SATELLITE COMMUNICATION LAB	4	• DSO • Function Generator • Mobile Phone Trainer Kit • Antenna Computer Cable • 44"	4 Hours/Week	Mr. Khushal Ki	Lab Technician	B.Tech

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Electronic Devices Lab Network Theory Lab PCB & Electronic Workshop Lab Communication systems lab	1. Students shall be familiar with laboratory safety protocols before performing experiments. 2. Read and follow the operating instructions before using any laboratory equipment. 3. Ensure all connecting leads, cables and components are in good condition; defective equipment shall not be used. 4. Verify all circuit connections as per the circuit diagram before switching ON the power supply. 5. Never make or remove circuit connections while the power supply is ON. 6. Avoid handling electrical circuits or equipment with wet hands or in damp conditions. 7. Handle connectors and plugs carefully; disconnect plugs by holding the connector body, not the cable. 8. Do not force connectors into sockets to prevent damage to equipment. 9. In case of overheating, burning smell, sparking or any abnormal condition, immediately switch OFF the power supply and inform the faculty/laboratory staff. 10. Seek assistance from the laboratory technician or faculty member whenever required. 11. Follow the Do's and Don't s) displayed in the laboratory. 12. Avoid wearing metallic ornaments such as rings, bracelets, chains, or watches while performing experiments. 13. Keep electrical cords and cables away from walkways to prevent tripping hazards and cable damage. 14. Shut down computers and laboratory equipment properly after completing the experiment. 15. Observe Electrostatic Discharge (ESD) precautions while handling sensitive electronic components and ICs. 16. Ensure proper earthing of all laboratory equipment before use. 17. Fire extinguishers, first-aid kits, emergency power switches, and emergency exit routes shall remain accessible at all times. 18. Report any accident, equipment damage or unsafe condition immediately to the concerned faculty or laboratory staff.

D3. Project Laboratory/Research Laboratory

--

PART E: First Year faculty and financial Resources

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

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) + (NS2*0.2))/RF
2023-24(CAYm2)	600	30	15	15	50
2024-25(CAYm1)	600	30	20	16	64
2025-26(CAY)	600	30	21	16	67

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

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

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	38880000	36078721	9260000	8973206	19950000	19011287	20000000	18575372
Library	220000	187588	340000	311133	311000	240813	160000	116861
Laboratory equipment	1431000	1268354	590000	538830	13191000	11945729	18550000	17892332
Teaching and non-teaching staff salary	108100000	103420899	97600000	93142889	83500000	80995640	75000000	70354776
Outreach Programs	295000	273751	238000	216084	208000	185175	165000	143228
R&D	1242000	1193781	1296000	1267534	2200000	1982290	1478000	1172168
Training, Placement and Industry linkage	472000	441500	1216000	1152874	742000	713807	879000	829965
SDGs	700000	668553	1131000	1076890	2270000	2229133	311500	286814
Entrepreneurship	500000	467925	389000	346400	334000	319981	276500	259483
Others, specify	79750000	76052110	71070000	67819485	66476000	63944869.06	41610000	37981054.1
Total	231590000	220053182	183130000	174845325	189182000	181568724.06	158430000	147612053.1

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

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

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Laboratory equipment	180000	135285	65000	62085	1015000	1007000	2130000	2017934
Software	150000	147500	420000	400000	0	0	0	0
SDGs	80000	78797	120000	116200	155000	152000	57000	51000
Support for faculty development	32000	30818	50000	48744	80000	71108	50000	43319
R & D	90000	84000	48000	42105	32000	30600	25000	22800
Industrial Training, Industry expert,	135000	130490	360000	354000	58000	56370	55000	53200
Miscellaneous Expenses*	120000	115981	150000	131894	38000	34955	65000	62130

Total	787000	722871	1213000	1155028	1378000	1352033	2382000	2250383
-------	--------	--------	---------	---------	---------	---------	---------	---------