NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electronics & Communication Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 2
Application No: 11655	**Date of Submission**: 18-03-2026

PART A- Profile of the Institute

A1.Name of the Institute: Oriental College of Technology	
Year of Establishment : 2002	Location of the Institute: Bhopal
A2. Institute Address:Oriental Campus Opp.Patel Nagar Raisen Road	
City:Bhopal	State:Madhya Pradesh
Pin Code:462022	Website:www.oriental.ac.in
Email:directoroct@oriental.ac.in	Phone No(with STD Code):0755-2529015
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Rajiv Gandhi Proudyogiki Vishwavidyalaya Bhopal a	City: Bhopal
State : Madhya Pradesh	Pin Code: 462033
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: **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	Engineering & Technology	UG	Civil Engineering	2012	--	Civil Engineering
2	Engineering & Technology	UG	Computer Science and Engineering	2002	--	Computer Science and Engineering
3	Engineering & Technology	PG	Computer Science and Engineering	2009	--	Computer Science and Engineering
4	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2002	--	Computer Science and Engineering
5	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2020	--	Computer Science and Engineering
6	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2020	--	Computer Science and Engineering
7	Engineering & Technology	UG	Electrical & Electronics Engineering	2004	--	Electrical and Electronics Engineering
8	Engineering & Technology	UG	Electronics & Communication Engineering	2002	--	Electronics and Communication Engineering
9	Engineering & Technology	PG	Internet of Things (IOT)	2013	--	Electronics and Communication Engineering
10	Engineering & Technology	UG	Mechanical Engineering	2004	--	Mechanical Engineering
11	Engineering & Technology	PG	Power Electronics	2009	--	Electrical and Electronics Engineering
12	Engineering & Technology	PG	Structural Engineering	2024	--	Civil Engineering
13	Engineering & Technology	PG	Thermal Engineering	2013	--	Mechanical Engineering
14	Management	PG	Master of Business Administration	2020	--	Management
15	Management	PG	MBA (Finance Management)	2023	2024	Management

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG

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 TIME PROG ACCR
1	Electronics & Communication Engineering	UG	2002 / --	60	Yes	2021	60	2021	CENTRAL/1-9317650204/2021/EOA DATED 12-07-2021	Granted accreditation for 3 years for the period (specify period)	2008	2011	1

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. TIME PRO ACC

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	60
2021-22	60
2020-21	120

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. SANDEEP GARG
B. Nature of appointment:	Regular
C. Qualification:	M.Tech and Ph.D.

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	60	60	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	63	31	35	35	50	22	58
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	5	6	0	7	6	6
N3=Separate division if any	0	0	0	0	0	1	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	4	3	3	3	0	6	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	67	39	44	38	57	35	64

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	63	4	111.67
2024-25 (CAYm1)	60	31	3	56.67
2023-24 (CAYm2)	60	35	3	63.33

Average [(ER1 + ER2 + ER3) / 3] = 77.22≡ 14.00

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).	67.00	126.00	126.00
B=No. of students who graduated from the program in the stipulated course duration	30.00	30.00	58.00
Success Rate (SR)= (B/A) * 100	44.78	23.81	46.03

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 38.21

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)	6.39	6.38	5.75
Y=Total no. of successful students	29.00	32.00	31.00
Z=Total no. of students appeared in the examination	34.00	38.00	38.00
API [X*(Y/Z)]	5.45	5.37	4.69

Average API[(AP1+AP2+AP3)/3] : 5.17

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)	6.40	6.39	6.85
Y=Total no. of successful students	35.00	28.00	33.00
Z=Total no. of students appeared in the examination	38.00	31.00	55.00
API [X * (Y/Z)]	5.89	5.77	4.11

Average API [(AP1 + AP2 + AP3)/3] : 5.26

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)	6.80	7.37	8.05
Y=Total no. of successful students	28.00	31.00	31.00
Z=Total no. of students appeared in the examination	28.00	33.00	34.00
API [X*(Y/Z)]:	6.80	6.92	7.34

Average API [(AP1 + AP2 + AP3)/3] : 7.02

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	67.00	126.00	126.00
X=No. of students placed	26.00	22.00	43.00
Y=No. of students admitted to higher studies	0.00	3.00	5.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	38.81	19.84	38.10

Average Placement Index = (P_1 + P_2 + P_3)/3: 32.25 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

(Data to be filled in for the Department and Allied Departments)

C1. Faculty details of Department and Allied Departments

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

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	DR. SANDEEP GARG	XXXXXXX35G	M.Tech and Ph.D.	MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL	VLSI DESIGN	31/12/2019	6.2	Assistant Professor	Professor	01/07/2023	Regular	Yes		Yes
2	DR. MAMTA SOOD	XXXXXXX62F	M.Tech and Ph.D.	UIT RPGV, BHOPAL	ANTENNA AND WAVE PROPAGATION	10/12/2018	7.2	Assistant Professor	Assistant Professor		Regular	Yes		No
3	MR. LALIT JAIN	XXXXXXX71C	M.Tech	RPGV, BHOPAL	DIGITAL COMMUNICATION	01/08/2016	9.7	Assistant Professor	Assistant Professor		Regular	Yes		No
4	MR. PRADEEP PATEL	XXXXXXX31Q	M.Tech	RGPV, BHOPAL	DIGITAL COMMUNICATION	25/02/2019	7	Assistant Professor	Assistant Professor		Regular	Yes		No
5	RAKSHA BHARGAVA	XXXXXXX46R	M.Tech	RPGV, BHOPAL	DIGITAL COMMUNICATION	04/07/2022	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No
6	MR. PIYUSH JAIN	XXXXXXX12F	M.Tech	RPGV, BHOPAL	POWER ELECTRONICS	20/08/2020	4.10	Assistant Professor	Assistant Professor		Regular	No	10/07/2025	No
7	MS. VASUNDHRA SHUKLA	XXXXXXX81A	M.Tech	RGPV, BHOPAL	DIGITAL COMMUNICATION	25/07/2016	8.11	Assistant Professor	Assistant Professor		Regular	No	17/07/2025	No
8	MS. NEELIMA BAGHEL	XXXXXXX70J	M.Tech	RPGV, BHOPAL	DIGITAL COMMUNICATION	01/07/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
9	MR. ANKUR SHRIVASTAVA	XXXXXXX30P	M.Tech	RPGV, BHOPAL	DIGITAL COMMUNICATION	01/07/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
10	MS. NEENANSHA JAIN	XXXXXXX43F	M.Tech	RPGV, BHOPAL	DIGITAL COMMUNICATION	01/07/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
11	MS. SHYAMLI SINGH	XXXXXXX57C	M.Tech	RPGV, BHOPAL	DIGITAL COMMUNICATION	01/07/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
12	DR. SHILPAM SAXENA	XXXXXXX79B	M.Tech and Ph.D.	AMITY UNIVERSITY, GWALIOR	RF AND MICROWAVE	05/08/2024	1.1	Associate Professor	Associate Professor		Regular	No	18/09/2025	No
13	MR. AMISH KUMAR JHA	XXXXXXX10M	M.Tech	RPGV, BHOPAL	DIGITAL COMMUNICATION	17/06/2013	12.1	Assistant Professor	Assistant Professor		Regular	No	06/08/2025	No
14	MR. AKHILESH JAIN	XXXXXXX29J	M.Tech	RGPV, BHOPAL	DIGITAL TECHNIQUES AND INSTRUMENTATION	22/07/2019	6.4	Assistant Professor	Assistant Professor		Regular	No	04/12/2025	No
15	DR. NIKITA SHIVHARE	XXXXXXX45N	M.Tech and Ph.D.	IIT BHU	SATELLITE IMAGE PROCESSING AND REMOTE SENSING	22/07/2019	5.1	Assistant Professor	Assistant Professor		Regular	No	13/09/2024	No
16	DR. MAYUR SHUKLA	XXXXXXX48A	M.Tech and Ph.D.	CSIR	MICROWAVE ENGINEERING	01/07/2020	4	Associate Professor	Associate Professor		Regular	No	02/07/2024	No
17	DR. DIVYA JAIN	XXXXXXX31N	M.Tech and Ph.D.	RPGV, BHOPAL	DIGITAL SIGNAL PROCESSING	20/08/2024	1.6	Associate Professor	Associate Professor		Regular	Yes		No
18	DR MOHAMMED AHMED	XXXXXXX06P	M.Tech and Ph.D.	RNTU, Bhopal	Microelectronics and VLSI Design	15/07/2005	18.2	Assistant Professor	Associate Professor	22/02/2022	Regular	No	28/09/2023	No
19	DR ABHISHEK SHARMA	XXXXXXX35P	M.Tech and Ph.D.	MANIT, BHOPAL	IMAGE PROCESSING	24/08/2021	3	Assistant Professor	Associate Professor	01/12/2021	Regular	No	02/09/2024	No

20	MR MAHENDRA CHOUDHARY	XXXXXXX98E	M.Tech and Ph.D.	RGPV, BHOPAL	DIGITAL COMMUNICATION	01/07/2014	10.2	Assistant Professor	Assistant Professor		Regular	No	26/09/2024	No
21	MR GAURAV MORGHARE	XXXXXXX62J	M.Tech	RGPV, BHOPAL	MICROWAVE AND MILLIMETER WAVE	13/10/2014	9.10	Assistant Professor	Assistant Professor		Regular	No	27/08/2024	No
22	DR PRABHAT SHARMA	XXXXXXX75B	M.Tech and Ph.D.	VAISHNAV UNIVERSITY, INDORE	DIGITAL COMMUNICATION	01/07/2014	9.3	Assistant Professor	Assistant Professor		Regular	No	30/09/2023	No
23	DR DIVYA RAI SHIVHARE	XXXXXXX39L	M.Tech and Ph.D.	PEOPLES UNIVERSITY, BHOPAL	COMMUNICATION, CONTROL AND NETWORKING	23/12/2019	6.2	Assistant Professor	Associate Professor		Regular	Yes		No
24	MR SANJAY KHADAGADE	XXXXXXX10R	M.Tech	RGPV, BHOPAL	DIGITAL COMMUNICATION	08/12/2016	7.9	Assistant Professor	Assistant Professor		Regular	No	25/09/2024	No
25	MR DINESH PRATAP SINGH	XXXXXXX38R	M.Tech	RGPV, BHOPAL	DIGITAL COMMUNICATION	13/02/2004	20.7	Assistant Professor	Assistant Professor		Regular	No	18/09/2024	No
26	MR RISHI SHARMA	XXXXXXX80E	M.Tech	MANIT, BHOPAL	VLSI DESIGN	20/05/2013	11.3	Assistant Professor	Assistant Professor		Regular	No	21/08/2024	No
27	MS. AMBIKA VARMA	XXXXXXX50Q	M.Tech	RGPV, BHOPAL	DIGITAL COMMUNICATION	15/07/2022	2.1	Assistant Professor	Assistant Professor		Regular	No	20/08/2024	No
28	MR VIKAS SINGHAI	XXXXXXX47G	M.Tech	RGPV, BHOPAL	VLSI AND EMBEDDED SYSTEM	01/07/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
29	MR. DEEPAK SINGH	XXXXXXX81B	M.Tech	DAVV, INDORE	INSTRUMENTATION ENGINEERING	01/07/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
30	MR. SHIV NARAYAN AHIRWAR	XXXXXXX32G	M.Tech	RGPV, BHOPAL	DIGITAL COMMUNICATION	01/07/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
31	MR. SANTOSH DUBEY	XXXXXXX07Q	M.Tech	CSVTU, BHILAI	COMMUNICATION ENGINEERING	08/05/2025	0.9	Assistant Professor	Assistant Professor		Regular	Yes		No
32	MR. PARAS GUPTA	XXXXXXX89E	M.Tech	JAYPEE UNIVERSITY, NOIDA	ANTENNA	15/05/2025	0.9	Assistant Professor	Assistant Professor		Regular	Yes		No
33	MR. AUSAF ALI KHAN	XXXXXXX57R	M.Tech	UTD, BU, BHOPAL	DIGITAL COMMUNICATION	08/07/2024	1	Assistant Professor	Assistant Professor		Regular	No	10/07/2025	No
34	MS. KAVITA THAKUR	XXXXXXX95L	M.Tech	BU, BHOPAL	MICROWAVE AND MILIMETER WAVES	14/08/2024	0.11	Assistant Professor	Assistant Professor		Regular	No	31/07/2025	No
35	MR. BRAJ BIHARI SONI	XXXXXXX03H	M.Tech	RGPV, BHOPAL	Microelectronics and VLSI Design	07/05/2025	0.9	Assistant Professor	Assistant Professor		Regular	Yes		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	65	66	60
UG1.C	66	60	66
UG1.D	60	66	126
UG1: Electronics & Communication Engineering	**191**	**192**	**252**
PG1.A	30	30	30
PG1.B	30	30	30
PG1: Internet of Things (IOT)	**60**	**60**	**60**
DS=Total no. of students in all UG and PG programs in the Department	251	252	312
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=** 251	**S2=** 252	**S3=** 312
DF=Total no. of faculty members in the Department	17	14	19
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=** 14	**F3=** 19
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= 14.76**	**SFR2= 18.00**	**SFR3= 16.42**
Average SFR for 3 years	**SFR= 16.39**		

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)	3	14	12.00	17.92
2024-25(CAYm1)	4	10	12.00	16.67
2023-24(CAYm2)	6	13	15.00	18.67

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	1.00	3.00	2.00	8.00	14.00
2024-25	1.00	1.00	3.00	3.00	8.00	10.00
2023-24	2.00	1.00	3.00	3.00	10.00	15.00
Average	RF1=1.33	AF1=1.00	RF2=3.00	AF2=2.67	RF2=8.67	AF2=13.00

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	Mr B.L. Singh	Ex- GM	BHEL	Network Analysis	8.00
2	Dr Rovin Tiwari	Founder & Director	Research Tech India	Electromagnetic Theory	9.00
3	Mr Abhigyanam Giri	Training Head	Indeyes Infotech Pvt. Ltd.	Digital System Design	18.00
4	Mr Tarun Jain	Director	Ni2Logic	Communication System	15.00
5	Mr Arvind Soni	Director	Shri manvi control system	Antenna & Wave Propagation	12.00
6	Mr. Arpit Soni	Director	Robonauts India Pvt. Ltd.	Embedded Systems and Robotics.	10.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr B.L. Singh	Ex- GM	BHEL	Network Analysis	5.00
2	Dr Rovin Tiwari	Founder & Director	Research Tech India	Electromagnetic Theory	6.00
3	Mr Abhigyanam Giri	Training Head	Indeyes Infotech Pvt. Ltd.	Digital Electronics	35.00
4	Mr Tarun Jain	Director	Ni2Logic	Analog & Digital Communication system	25.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Rita Jain	Director & IoT Consultant	AVRN Intellitech Pvt. Ltd.	IoT & Its Applications	15.00
2	Mr Sudesh Morey	Founder & Director	Drmz System Innovations Pvt. Ltd	Microprocessor & Its Applications	9.00
3	Mr Abhigyanam Giri	Training Head	Indeyes Infotech Pvt. Ltd.	Digital System Design	53.00

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	5	4	5
2	No. of peer reviewed conference papers published	2	0	5
3	No. of books/book chapters published	0	0	2

C7. Sponsored Research Project

Table No. C7.1: List of sponsored research projects received from external agencies.

(CAYm1)

(CAYm2)

(CAYm3)

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

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 Sandeep Garg	Emerging Trends in Digital VLSI Design and AI Integration	6 Days	350000.00	222435.00	Gained knowledge of AI applications in VLSI design, verification, and optimization
			Amount received (Rs.): 350000.00		

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years : 350000.00

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	Digital System Design Lab	4	Digital Lab Trainer Daughter Board - Logic Gates Daughter Board - X-OR Gate Daughter Board - De Morgan's Theorem Daughter Board - Gray to	4 hrs	Mr. Gulab Rao Patil	Lab Technician	M.Sc. (Electronics)
2	Analog Circuit Lab	4	Analog System Lab Kit CRO Function Generator Multimeter	4 hrs	Mr. Vijay Asnani	Lab Technician	Diploma (ECE)
3	Electronic Devices Lab	4	P-N Junction Diode Kit Half wave, Full wave, Bridge Rectifier Trainer Kit Zener Diode Characteristics Trainer Kit MOSFET	4 hrs	Mr. Vijay Asnani	Lab Technician	Diploma (ECE)
4	Microprocessor and its Application (MPA) Lab	4	8086 Microprocessor Trainer Kit IC 8255 PPI Study Card IC 8259 PIC Study Card IC 8251 Study Card Stepper Motor Controller Card with	4 hrs	Ms. Rashmi Thakur	Lab Technician	B.Tech. (Electrical Engg
5	Analog Communication Lab	4	Amplitude Modulation (AM) Modulation and Demodulation Kit Frequency Modulation (FM) Modulation and Demodulation Kit Analog Pulse	4 hrs	Ms. Rashmi Thakur	Lab Technician	B.Tech. (Electrical Engg
6	Digital Communication Lab	4	Analog Signal Sampling and Reconstruction Kit Pulse Code Modulation and Demodulation Kit Delta Modulation and Demodulation Kit ASK, FSK	4 hrs	Mr. Gulab Rao Patil	Lab Technician	M.Sc. (Electronics)
7	Microwave Lab	4	Klystron Tube Klystron Power Supply Movable Short Detector Mount Terminator Tunable Probe Magic Tee E Plane Tee H Plane Tee Gunn	12 hrs	Mr. Gulab Rao Patil	Lab Technician	M.Sc. (Electronics)
8	CNTL Lab	4	Transmission Line Trainer Kit Spectrum Analyzer CRO	8 hrs	Mr. Gulab Rao Patil	Lab Technician	M.Sc. (Electronics)
9	AWP Lab	4	Antenna Trainer Transmitter Generator (Signet) Antenna Trainer Receiver Synthesized (Signet) Polarization Stand with & without Mount (Signet)	4 hrs	Mr. Vijay Asnani	Lab Technician	Diploma (ECE)
10	OFC Lab	3	Fiber Optic Trainer Scientech Advanced Fiber Optic Trainer Optical Power Meter CRO DSO	4 hrs	Ms. Rashmi Thakur	Lab Technician	B.Tech. (Electrical Engg
11	Signals and Systems Lab	1	SCILAB/MATLAB Software	4 hrs	Mr. Omprakash Mehar	Lab Technician	Diploma (Electrical Eng
12	Digital Signal Processing Lab	1	SCILAB/MATLAB Software	4 hrs	Mr. Omprakash Mehar	Lab Technician	Diploma (Electrical Eng
13	VLSI Design Lab	5	CPLD Kit FPGA Kit Platform Cable USB Xilinx Model DLC9G 5V-0.07A JTAG Cable Software - Xilinx ISE 9.2i Software - ModelSim	4 hrs	Mr. Firoz Khan	Lab Technician	Diploma (ECE)
14	Simulation Lab	1	Computer System Software - TINA-TI Software - PCB Artist Software - SCILAB	8 hrs	Mr. Firoz Khan	Lab Technician	Diploma (ECE)
15	Microcontroller and Embedded System Lab	3	8051 Microcontroller Trainer Kit Multimeter Motor Driver IC Breadboard DC Motor Buzzer	12 hrs	Mr. Firoz Khan	Lab Technician	Diploma (ECE)
16	IoT Lab	3	Arduino Uno Development Board ESP WROOM 32 WiFi Bluetooth Development Board (30-Pin) CH9102 WiFi Development Module Node MCU	12 hrs	Mr. Firoz Khan	Lab Technician	Diploma (ECE)
17	Project Lab	4	CRO Function Generator Multimeter Soldering Iron Copper Clad Board (CCB) Motorized Drill Machine DC Regulated Power Supply L.C.R. Meter	24 hrs	Mr. Firoz Khan	Lab Technician	Diploma (ECE)

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Digital Electronics lab	• Students are instructed to go through the handout and procedure before starting the experiments. • Handle the trainer kits/equipments with care. • Turn off the instrument or equipment before unplugging from socket. • Students are instructed to report any damage to equipment and potential hazards to the lab instructor. • Fire Extinguisher is kept in ready to use condition in the vicinity of lab. • First Aid Box is kept in the department for medical assistance. • All power points are of proper rating and properly earthed.

2	Microwave lab	• Students are instructed to go through the handout and procedure before starting the experiments. • Handle the trainer kits/equipments with care. • Turn off the instrument or equipment before unplugging from socket. • Students are instructed to report any damage to equipment and potential hazards to the lab instructor. • Fire Extinguisher is kept in ready to use condition in the vicinity of lab. • First Aid Box is kept in the department for medical assistance. • All power points are of proper rating and properly earthed.
3	Antenna lab	• Students are instructed to go through the handout and procedure before starting the experiments. • Handle the trainer kits/equipments with care. • Turn off the instrument or equipment before unplugging from socket. • Students are instructed to report any damage to equipment and potential hazards to the lab instructor. • Fire Extinguisher is kept in ready to use condition in the vicinity of lab. • First Aid Box is kept in the department for medical assistance. • All power points are of proper rating and properly earthed.
4	Electronic Device lab	• Students are instructed to go through the handout and procedure before starting the experiments. • Handle the trainer kits/equipments with care. • Turn off the instrument or equipment before unplugging from socket. • Students are instructed to report any damage to equipment and potential hazards to the lab instructor. • Fire Extinguisher is kept in ready to use condition in the vicinity of lab. • First Aid Box is kept in the department for medical assistance. • All power points are of proper rating and properly earthed.
5	VLSI/Software/simulation Lab/Signal and System/DSP Lab	• Students are instructed to go through the handout and procedure before starting the experiments. • Turn off the computer system after use. • UPS are used for power backup and networking equipments. • Students are instructed not to misuse the internet facilities. • Fire Extinguisher is kept in ready to use condition in the vicinity of lab. • First Aid Box is kept in the department for medical assistance. • All power points are of proper rating and properly earthed. • Well trained technical staff are monitors the lab during working hours.
6	Communication lab	• Students are instructed to go through the handout and procedure before starting the experiments. • Handle the trainer kits/equipments with care. • Turn off the instrument or equipment before unplugging from socket. • Students are instructed to report any damage to equipment and potential hazards to the lab instructor. • Fire Extinguisher is kept in ready to use condition in the vicinity of lab. • First Aid Box is kept in the department for medical assistance. • All power points are of proper rating and properly earthed.
7	Project Lab	• Students are instructed to carefully handle Fecl3 solution during etching process. • Use appropriate stand for holding soldering iron. Turn off soldering iron when not in use for 10 minutes, never touch the bit of soldering iron. • Do not place hot apparatus directly on the laboratory desk. Always use an insulated pad. Allow plenty of time for hot apparatus to cool before touching it. • Keep fluids and chemicals away from instruments and circuit. • Students are never allowed to work alone in the laboratory. No student may work in the laboratory without the presence of the faculty/instructor. • Workspace has to be tidy before, during and after the experiments.

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)	660	33	0	0	0
2024-25(CAYm1)	810	40	0	0	0
2025-26(CAY)	810	40	0	0	0

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	4500000	3734629	3000000	2502585	6000000	5071594	1410000	1173100
Library	1150000	998219	1650000	1414492	1000000	859230	850000	729597
Laboratory equipment	2100000	1893514	6200000	5702639	1150000	987051	530000	441904
Teaching and non-teaching staff salary	100000000	85780276	62000000	53588091	56000000	46910285	48000000	40461013
Outreach Programs	4700000	4130766	2200000	1899940	1200000	1041173	1250000	1067657
R&D	300000	240457	375000	316326	275000	231698	270000	233934
Training, Placement and Industry linkage	95000	76890	150000	123410	47000	38500	800000	664800
SDGs	4000000	3303759	3200000	2773991	3250000	2815021	1950000	1704736
Entrepreneurship	300000	242026	135000	112283	100000	82608	65000	55126
Others, specify	7500000	6498823	4800000	4102443	7950000	6615269	2950000	2470895
Total	**124645000**	**106899359**	**83710000**	**72536200**	**76972000**	**64652429**	**58075000**	**49002762**

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	775000	579400	350000	262002	27000	21313	15000	10260
Software	0	0	0	0	0	0	0	0

SDGs	45000	22238	24500	16300	6000	3921	4000	3150
Support for faculty development	15000	13300	26000	12000	16080	9300	9500	7200
R & D	20000	121000	34500	14750	18000	12250	9500	5850
Industrial Training, Industry expert, Internship	36000	29400	32000	25400	23316	16080	18000	14355
Miscellaneous Expenses	15000	10230	25000	15000	6030	2230	5000	3458
Total	**906000**	**775568**	**492000**	**345452**	**96426**	**65094**	**61000**	**44273**