

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electronics and Telecommunication Engineering	Discipline: Engineering & Technology
Level : Under Graduate	Tier: 2
Application No: 12097	Date of Submission: 25-08-2026

PART A- Profile of the Institute

A1.Name of the Institute: NAGESH KARAJAGI ORCHID COLLEGE OF ENGINEERING AND TECHNOLOGY SOLAPUR	
Year of Establishment : 2008	Location of the Institute: Solapur
A2. Institute Address:Gut No. 16, Solapur-Tuljapur Road, Tale Hipparaga, Solapur. Tahsil- North Solapur, Dist. Solapur. Pin Code- 413 002. Maharashtra.	
City:Sholapur	State:Maharashtra
Pin Code:413002	Website:www.orchidengg.ac.in
Email:office@orchidengg.ac.in	Phone No(with STD Code):0217-2990051
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Dr Babasaheb Ambedkar Technological University	City: Raigad
State : Maharashtra	Pin Code: 402103
A4. Type of the Institution: Autonomous CAY(2024-25)	
A5. Ownership Status: Self financing	

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

- No. of UG programs: 6
- No. of PG programs: 5

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Artificial Intelligence and Data Science	2021	--	Computer Science and Engineering
2	Engineering & Technology	UG	Civil Engineering	2008	--	Civil Engineering
3	Engineering & Technology	PG	Computer Aided Structural Analysis & Design	2012	--	Civil Engineering
4	Engineering & Technology	PG	Computer Science and Engineering	2012	2022	Computer Science and Engineering
5	Engineering & Technology	UG	Computer Science and Engineering	2008	--	Computer Science and Engineering
6	Engineering & Technology	PG	Electric Vehicle Technology	2024	--	Mechanical Engineering
7	Engineering & Technology	UG	Electrical Engineering	2011	--	Electrical Engineering
8	Engineering & Technology	PG	Electronics and Telecommunication Engineering	2013	2022	Electronics and Telecommunication Engineering
9	Engineering & Technology	UG	Electronics and Telecommunication Engineering	2008	--	Electronics and Telecommunication Engineering
10	Engineering & Technology	UG	Mechanical Engineering	2008	--	Mechanical Engineering

11	Engineering & Technology	PG	Thermal Engineering	2013	--	Mechanical Engineering
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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
Civil Engineering	No	Civil Engineering	UG
Mechanical Engineering	No	Mechanical Engineering	UG
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Electronics and Telecommunication Engineering	No	Electronics and Telecommunication Engineering	UG
Electrical Engineering	No	Electrical Engineering	UG

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

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

No Record

PART-B: Program information

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

Table No. B1: Program details.

A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/ DECREASE INTAKE (if any)	YEAR OF INCREASE/ DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Electronics and Telecommunication Engineering	UG	2008 / --	60	Yes	2021	60	2021	F.No. Western/1-9318363337/2021/ EOA Date: 02-Jul-2021	Applying first time	--	--	0	4

Sanctioned Intake for Last Five Years for the Electronics and Telecommunication 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. Bahirgonde P. D.
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	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	56	60	58	58	57	26	26
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	8	15	11	12	101	54
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	9	8	9	8	5	7	5
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	65	76	82	77	74	134	85

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	56	9	108.33
2024-25 (CAYm1)	60	60	8	113.33
2023-24 (CAYm2)	60	58	9	111.67

Average [(ER1 + ER2 + ER3) / 3] = 111.11≡ 100

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

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

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	74.00	134.00	132.00
B=No. of students who graduated from the program in the stipulated course duration	62.00	123.00	84.00
Success Rate (SR)= (B/A) * 100	83.78	91.79	63.64

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 79.74

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

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

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
Mean of CGPA or mean percentage of all successful students(X)	8.24	7.00	6.85
Y=Total no. of successful students	64.00	65.00	64.00
Z=Total no. of students appeared in the examination	68.00	67.00	66.00

API [X*(Y/Z)]	7.76	6.79	6.64
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Average API[(AP1+AP2+AP3)/3] : 7.06

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)	7.00	6.73	7.30
Y=Total no. of successful students	76.00	73.00	63.00
Z=Total no. of students appeared in the examination	80.00	75.00	74.00
API [X * (Y/Z)]	6.65	6.55	6.21

Average API [(AP1 + AP2 + AP3)/3] : 6.47

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)	6.74	7.16	7.12
Y=Total no. of successful students	72.00	62.00	123.00
Z=Total no. of students appeared in the examination	73.00	63.00	129.00
API [X*(Y/Z)]:	6.65	7.05	6.79

Average API [(AP1 + AP2 + AP3)/3] : 6.83

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	74.00	134.00	132.00
X=No. of students placed	51.00	84.00	63.00
Y=No. of students admitted to higher studies	3.00	5.00	3.00
Z= No. of students taking up entrepreneurship	2.00	3.00	4.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	75.68	68.66	53.03

Average Placement Index = (P_1 + P_2 + P_3)/3: 65.79 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. Bahirgonde P. D.	XXXXXXXX91N	Ph.D	Solapur University, Solapur	Electronics & Telecommunication	01/07/2008	18.1	Assistant Professor	Professor	02/07/2018	Regular	Yes		Yes
2	Mr. Dhotre S. S.	XXXXXXXX03Q	M.Tech	Dr. Babasaheb Ambedkar Technological University, Lonere	Electronics & Telecommunication	07/06/2010	16.2	Assistant Professor	Associate Professor	06/01/2011	Regular	Yes		No
3	Dr. Bag S. V.	XXXXXXXX49F	Ph.D	G.H.Raisoni university Amaravati	Electronics & Telecommunication	02/06/2008	18.2	Assistant Professor	Associate Professor	02/02/2026	Regular	Yes		No
4	Mr. Roshan Pushpan	XXXXXXXX79D	M.E.	Savitribai Phule Pune University	Electronics & Telecommunication	01/06/2011	15.2	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Mr. Chandanshive A.A.	XXXXXXXX98C	M.Tech	Savitribai Phule Pune University	Electronics(VLSI & Embeded System)	01/06/2013	13.2	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mr. Nadaf A. I.	XXXXXXXX02E	M.E.	Shivaji University, Kolhapur	Electronics & Telecommunication	08/06/2015	11.2	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Ms. Shriram R. R.	XXXXXXXX54E	M.E.	Solapur University, Solapur	Electronics & Telecommunication	10/06/2015	11.2	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr. Bakare R. S.	XXXXXXXX69G	M.E.	Solapur University, Solapur	Electronics	31/12/2015	10.7	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mrs.Mulmane S. R.	XXXXXXXX28M	M.E.	Savitribai Phule Pune University	Electronics(Digital System)	02/01/2017	9.7	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mrs.Bongale U.A.	XXXXXXXX15D	M.E.	Shivaji University, Kolhapur	Electronics & Telecommunication	01/08/2018	8	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Dr. Kashid S. A.	XXXXXXXX61C	Ph.D	Shivaji University, Kolhapur	Electronics	09/03/2022	4.5	Assistant Professor	Associate Professor	01/07/2025	Regular	Yes		No
12	Ms.Sutar P. H.	XXXXXXXX81D	M.E.	Solapur University, Solapur	Electronics & Telecommunication	06/08/2022	0.10	Assistant Professor	Assistant Professor		Regular	No	01/07/2023	No

13	Mr. Bahandarkawthe S. G.	XXXXXX55F	M.E.		E&TC(VLSI & Embedded system)	13/09/2022	1.9	Assistant Professor	Assistant Professor		Regular	No	29/06/2024	No
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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 Department0

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	66	66	66
UG1.C	66	66	66
UG1.D	66	66	132
UG1: Electronics and Telecommunication Engineering	198	198	264
DS=Total no. of students in all UG and PG programs in the Department	198	198	264
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= 198	S2= 198	S3= 264
DF=Total no. of faculty members in the Department	11	11	12
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= 11	F2= 11	F3= 12
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 18.00	SFR2= 19.80	SFR3= 24.00
Average SFR for 3 years	SFR= 20.60		

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)	2	10	9.00	16.67
2024-25(CAYm1)	1	10	9.00	13.89
2023-24(CAYm2)	1	11	13.00	10.38

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	2.00	1.00	7.00	9.00
2024-25	1.00	1.00	2.00	0.00	7.00	10.00
2023-24	1.00	1.00	3.00	0.00	9.00	11.00
Average	RF1=1.00	AF1=1.00	RF2=2.33	AF2=0.33	RF2=7.67	AF2=10.00

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. Rahul Sirsat	Corporate Trainer	Giri Tech Hub, Pune	Fundamentals of C Programming	72.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Kamal Galani	Adjunct Faculty	SVERIs COE , Pandharpur	Engineering Economics and Financial Mathematics	26.00
2	Mrs Rohini B Birajdar	Adjunct Faculty	NKOCET, Solapur	Seminar-II, Mini Project-II, Internship/Project	52.00
3	Ms Ankita Harale	Corporate Trainer	Giri Tech Hub, Pune	Fundamentals of C Programming and Introduction to C++	66.00
4	Mrs. Manjiri P. Kashid	Adjunct Faculty	NKOCET, Solapur	Seminar-II, Mini Project-II, Internship/Project	52.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Nitin N Burla	Visiting Faculty	Sanskriti Academy, Solapur	Finance Management	15.00
2	Mr. Amit Aswale	Corporate Trainer	Aptech Solutions, kolhapur	Aptitude and Reasoning	60.00
3	Ms. Priyanka H Sutar	Adjunct Faculty	NKOCET, Solapur	Seminar-II, Mini Project-II, Internship/Project	52.00

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	3	10	3
2	No. of peer reviewed conference papers published	5	5	4
3	No. of books/book chapters published	3	0	2

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Prof. S. S. Dhotre		Electronics and Telecommunication Engineering	Autonomous Path Finding Robot	Dassult Systems	one year	0.30
						Amount received (Rs.):0.30

(CAYm2)

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 0.30

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
Prof. Dhotre S. S.	IOT enabled Polyhouse Farming: Automation & Monitoring System	6 months	0.04	0.04	Project working model
Prof. R. R. Shriram	Smart Staircase Lighting System using PIR Sensor	6 months	0.04	0.04	Project working model
Prof. A. I. Nadaf	Registration fees of International Conference	1 year	0.08	0.08	Presented paper in International Conference
Prof. S. A. Kashid	APC fees for Journal Paper Publication	1 year	0.10	0.10	Paper published in Scopus indexed journal
Prof. S. A. Kashid	Registration fees of International Conference	1 year	0.04	0.04	Presented paper in International Conference
Prof. S. A. Kashid	Registration fees of International Conference	1 year	0.07	0.07	Presented paper in International Conference
Prof. S. S. Dhotre	Registration fees of International Conference	1 year	0.08	0.08	Presented paper in International Conference
Prof. S. V. Bag	Publication fees for Journal Paper Publication	1 year	0.10	0.10	Paper published in Scopus indexed journal
Prof. R. R. Shriram	Registration fees of International Conference	1 year	0.08	0.08	Presented paper in International Conference
Prof. S. V. Bag	Publication fees for Journal Paper Publication	1 year	0.10	0.10	Paper published in Scopus indexed journal
Prof. S. S. Dhotre	Patent e- filling charges	1 year	0.04	0.04	Patent filed and published
			Amount received (Rs.): 0.77		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Prof. A. I. Nadaf	APC fees for Journal Paper Publication	1 year	0.06	0.06	Paper published in journal
Prof. S. A. Kashid	Registration fees of International Conference and Travelling Allowance	1 year	0.07	0.07	Presented paper in International Conference
Prof. S. V. Bag	Registration fees of International Conference	1 year	0.07	0.07	Presented paper in International Conference
Prof. S. V. Bag	APC fees for Journal Paper Publication	1 year	0.06	0.06	Paper published in Scopus indexed journal
Prof. S. A. Kashid	APC fees for Journal Paper Publication	1 year	0.10	0.10	Paper published in Scopus indexed journal
Prof. R. S. Bakare	Patent e- filling charges	1 year	0.04	0.04	Patent filed and published
Prof. A.I. Nadaf	Patent e- filling charges	1 year	0.04	0.04	Patent filed and published
Prof. R. S. Bakare	Patent e- filling charges	1 year	0.09	0.09	Patent filed and published
			Amount received (Rs.): 0.53		

(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
Prof. Dhotre S. S.	Blue tooth based Wireless notice Board using Arduino	6 months	0.06	0.06	Project working model
			Amount received (Rs.): 0.06		

Total amount (Lacs) received for the past 3 years : 1.36

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 Electronics Lab	25	1.Digital IC trainer Kit 2.8085 based microprocessor trainer and Interfacing kits 8051	SEM I- 16 hrs	Mr. L. V. Paskanti	Lab Assistant	Diploma (Communication)
2	Semiconductor Devices & Circuits Lab	25	1.50 MHz Scientech 401 DSO. 2.3MHz Scientific SM 5070 Function Generator 3.3MHz Scientech 4061 Function Generator 4.Scientech 4075 Dual Power	SEM I-20 hrs	Mr. B. R Lokhande	Lab Assistant	ITI (Electrical)
3	Communication Engineering Lab	25	1.Antenna Trainer Kit Microwave Test Bench	SEM I- 16 hrs	Mr. L. V. Paskanti	Lab Assistant	Diploma (Communication)
4	Simulation & Programming Lab	25	1.ARM DSP Processor Printed Circuit Assemblies 2.DELLTM Desktop OPTIPLEX#380 Dell Optiplex 3020 3.Desktop EPSON EBX44 4.Desktop EPSON	SEM I- 18 hrs	Mr. V. R Ghugare	Lab Assistant	Diploma (E&TC)
5	IoT & AI/ML Lab	25	1.Hp Pro tower desktop core I5 12th Gen. 2.IOT Trainer kit	SEM I- 18 hrs	Mr. V. R Ghugare	Lab Assistant	Diploma (E&TC)
6	VLSI & Embedded Systems Lab	25	1.VLSI Educational Boards 2.HP Desktops Intel (R), core(TM) ultra 7. 3.Projector EPSON EBX05 Printer	SEM I- 18 hrs	Ms. N. R. Shaikh	Lab Assistant	M.Sc. (Instrumentation S
7	Signal Processing Lab	25	Hp Pro tower desktop core I5 12th Gen.	SEM I- 20 hrs	Ms. N. R. Shaikh	Lab Assistant	M.Sc. (Instrumentation S

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	Basic Safety Measures: Fire extinguisher, adequate ventilation, safety instructions displayed. Lab Safety Measures: Insulated trainer kits, MCB protection, proper grounding of equipment.
2	Semiconductor Devices & Circuits Lab	Basic Safety Measures: Fire extinguisher, first aid kit, adequate ventilation, safety instructions displayed. Lab Safety Measures: MCB protection, proper earthing of equipment, regulated power supplies.
3	Communication Engineering Lab	Basic Safety Measures: Fire extinguisher, adequate ventilation, safety instructions displayed. Lab Safety Measures: Proper grounding of instruments, safe cable management, MCB protection.

4	Simulation & Programming Lab	Basic Safety Measures: Fire extinguisher, adequate ventilation, safety instructions displayed. Lab Safety Measures: MCB protection, proper grounding of computer systems, UPS backup, adequate ventilation.
5	IoT & AI/ML Lab	Basic Safety Measures: Fire extinguisher, adequate ventilation, safety instructions displayed. Lab Safety Measures: MCB protection, proper grounding of computer systems, UPS backup
6	VLSI & Embedded Systems Lab	Basic Safety Measures: Fire extinguisher, adequate ventilation, safety instructions displayed. Lab Safety Measures: MCB protection, proper grounding of computer systems, UPS backup.
7	Signal Processing Lab	Basic Safety Measures: Fire extinguisher, adequate ventilation, safety instructions displayed. Lab Safety Measures: MCB protection, proper grounding of computer systems, UPS backup.
8	Project Lab	Basic Safety Measures: Fire extinguisher, proper ventilation, safety instructions displayed. Lab Safety Measures: MCB protection, safe soldering practices.

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)	540	27	13	7	44
2024-25(CAYm1)	540	27	15	7	50
2025-26(CAY)	540	27	19	7	61

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	44396000	29243550	24292000	14857138	68719000	59469871	24814000	18779528

Library	660000	12535	750000	387101	785000	300059	1000000	302080
Laboratory equipment	23847000	960438	18686000	2500361	20155000	15520993	20189000	16473208
Teaching and non-teaching staff salary	184155000	194811273	163346000	157441427	128516000	153093586	112404000	120984638
Outreach Programs	1186000	1420298	1430000	1682194	1338000	1742393	1112000	1688446
R&D	3970000	6276330	2839000	7226737	2458000	5163598	1796000	3663333
Training, Placement and Industry linkage	2430000	2339801	2430000	1000067	2480000	935538	2374000	2824714
SDGs	3500000	3342544	2500000	2316422	1500000	1524302	2500000	2525711
Entrepreneurship	600000	519948	600000	553860	50000	36642	50000	68218
Other Secify	40167000	30959517	33584000	25318398	43581000	37734958	26806000	34183335
Total	304911000	269886234	250457000	213283705	269582000	275521940	193045000	201493211

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	825000	263845	1103000	444116	931000	1078872	743400	1732299
Software	600000	80280	121240	200600	249000	48982	221000	0
SDGs	500000	403067	300000	271872	300000	192952	200000	327558
Support for faculty development	267000	346179	285000	635271	246000	245390	139000	738592
R & D	105000	0	105000	7088	112500	0	75000	5766
Industrial Training, Industry expert, Internship	111000	653371	98000	596958	82000	731531	76000	464735
Laboratory Repairs and Consumables	50000	103348	46500	30543	59800	15017	42800	112502
Total	2458000	1850090	2058740	2186448	1980300	2312744	1497200	3381452