

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Computer Science and 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

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)

Allied Department/Cluster Name	Program Name	Program Level
Artificial Intelligence and Data Science	Artificial Intelligence and Data Science	UG

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	Computer Science and Engineering	UG	2008 / --	60	Yes	2024	180	2024	F.No. Western/1-43654921963/2024/EOA Date of Approval: 13-May-2024	Applying first time	--	--	0	4																																																																																																																								
<table><tr><th colspan="15">Sanctioned Intake for Last Five Years for the Computer Science and Engineering</th></tr><tr><th colspan="4">Academic Year</th><th colspan="11">Sanctioned Intake</th></tr><tr><td colspan="4">2025-26</td><td colspan="11">180</td></tr><tr><td colspan="4">2024-25</td><td colspan="11">180</td></tr><tr><td colspan="4">2023-24</td><td colspan="11">120</td></tr><tr><td colspan="4">2022-23</td><td colspan="11">120</td></tr><tr><td colspan="4">2021-22</td><td colspan="11">120</td></tr><tr><td colspan="4">2020-21</td><td colspan="11">120</td></tr></table>															Sanctioned Intake for Last Five Years for the Computer Science and Engineering															Academic Year				Sanctioned Intake											2025-26				180											2024-25				180											2023-24				120											2022-23				120											2021-22				120											2020-21				120										
Sanctioned Intake for Last Five Years for the Computer Science and Engineering																																																																																																																																						
Academic Year				Sanctioned Intake																																																																																																																																		
2025-26				180																																																																																																																																		
2024-25				180																																																																																																																																		
2023-24				120																																																																																																																																		
2022-23				120																																																																																																																																		
2021-22				120																																																																																																																																		
2020-21				120																																																																																																																																		

List of the Allied Departments/Cluster and Programs:

SR.NO.	ALLIED DEPARTMENT NAME	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	Artificial Intelligence and Data Science	Artificial Intelligence and Data Science	UG	2021 / --	60	No	NA	60	2021	F.No. Western/1-9318363337/2021/EOA Date: 02-Jul-2021	Not eligible for accreditation	--	--	0	4

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

A. Name of the HoD :	Dr. Bag V. V.
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)	180	180	120	120	120	120	120

N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	173	184	119	121	120	119	120
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	23	19	16	16	16	27
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	26	27	17	16	18	17	10
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	199	234	155	153	154	152	157

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)	180	173	26	110.56
2024-25 (CAYm1)	180	184	27	117.22
2023-24 (CAYm2)	120	119	17	113.33

Average [(ER1 + ER2 + ER3) / 3] = 113.70≅ 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).	154.00	152.00	157.00
B=No. of students who graduated from the program in the stipulated course duration	152.00	151.00	151.00
Success Rate (SR)= (B/A) * 100	98.70	99.34	96.18

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 98.07

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)	8.02	7.72	7.47
Y=Total no. of successful students	195.00	129.00	136.00
Z=Total no. of students appeared in the examination	211.00	136.00	137.00
API [X*(Y/Z)]	7.41	7.32	7.42

Average API[(AP1+AP2+AP3)/3] : 7.38

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)	7.57	7.49	7.72
Y=Total no. of successful students	146.00	152.00	152.00

Z=Total no. of students appeared in the examination	148.00	152.00	153.00
API [X * (Y/Z)]	7.47	7.49	7.67

Average API [(AP1 + AP2 + AP3)/3] : 7.54

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)	7.39	7.51	7.88
Y=Total no. of successful students	151.00	152.00	151.00
Z=Total no. of students appeared in the examination	152.00	152.00	151.00
API [X*(Y/Z)]:	7.34	7.51	7.88

Average API [(AP1 + AP2 + AP3)/3] : 7.58

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	154.00	152.00	157.00
X=No. of students placed	87.00	108.00	113.00
Y=No. of students admitted to higher studies	6.00	2.00	6.00
Z= No. of students taking up entrepreneurship	0.00	1.00	2.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	60.39	73.03	77.07

Average Placement Index = (P_1 + P_2 + P_3)/3: 70.16 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. Bag V. V.	XXXXXXXX84Q	Ph.D	Swami Ramanand Teerth Marathwada University (SRTMU)	CSE	02/06/2008	18.2	Assistant Professor	Professor	01/07/2017	Regular	Yes		Yes
2	Dr. Patil M. B.	XXXXXXXX08Q	Ph.D	Visvesvaraya Technological University (VTU)	Computer & Information Sciences	06/07/2011	14.9	Assistant Professor	Associate Professor	02/05/2022	Regular	No	30/04/2026	No

3	Ms. Otari M. S.	XXXXXXXX50P	M.Tech	Visvesvaraya Technological University (VTU)	CSE	19/01/2010	16.7	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Ms. Damawale S. S.	XXXXXXXX64Q	M.E.	Punyashlok Ahilyadevi Holkar Solapur University (PAHSU)	CSE	22/06/2011	15.2	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Mr. Shaikh Z. M.	XXXXXXXX56P	M.Tech	Bharati Vidyapeeth Deemed University	CSE	01/06/2011	14.2	Assistant Professor	Assistant Professor		Regular	No	18/08/2025	No
6	Ms. Shinde R. U.	XXXXXXXX45B	M.E.	Punyashlok Ahilyadevi Holkar Solapur University (PAHSU)	CSE	20/06/2016	10.2	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Ms. Jawalkar P.D.	XXXXXXXX52Q	M.E.	Savitribai Phule Pune University (SPPU)	CSE	01/04/2022	4.4	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr. Rangdal M. B	XXXXXXXX25A	M.E.	Savitribai Phule Pune University (SPPU)	CSE	01/04/2022	4.4	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Ms.Dhanshetti A.G.	XXXXXXXX87D	M.E.	Punyashlok Ahilyadevi Holkar Solapur University (PAHSU)	E&TC	12/04/2022	4.4	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Ms. More S.S.	XXXXXXXX89Q	M.E.	Punyashlok Ahilyadevi Holkar Solapur University (PAHSU)	E&TC	20/04/2022	4.4	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mr. Dudhanikar S. D	XXXXXXXX68C	M.Tech	Visvesvaraya Technological University (VTU)	CSE	25/05/2022	4.2	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Ms. Konda S.S.	XXXXXXXX67B	M.Tech	Jawaharlal Nehru Technological University (JNTU)	CSE	12/08/2022	4	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mr. Gaikwad V.D.	XXXXXXXX36H	M.Tech	Jawaharlal Nehru Technological University (JNTU)	CSE	01/09/2022	3.11	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Ms. Kumsagi T.A.	XXXXXXXX88F	M.Tech	Visvesvaraya Technological University (VTU)	CSE	07/08/2023	3	Assistant Professor	Assistant Professor		Regular	Yes		No

15	Ms. Bhuyyar P.C.	XXXXXXXX73F	M.Tech	Visvesvaraya Technological University (VTU)	CSE	01/08/2024	2	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Mrs. Mehta N.S.	XXXXXXXX32H	M.E.	Savitribai Phule Pune University (SPPU)	Computer Engg.	21/02/2025	1.5	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Mr. Shaikh G. R.	XXXXXXXX22K	M.E.	Savitribai Phule Pune University (SPPU)	Computer Engg.	27/02/2025	1.5	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mrs. Kumbhar S. S.	XXXXXXXX27J	M.E.	Punyashlok Ahilyadevi Holkar Solapur University (PAHSU)	CSE	15/09/2022	1.9	Assistant Professor	Assistant Professor		Regular	No	29/06/2024	No
19	Mr. Pawade A. S.	XXXXXXXX74Q	M.Tech	Jawaharlal Nehru Technological University (JNTU)	CSE	20/02/2023	1.5	Assistant Professor	Assistant Professor		Regular	No	26/07/2024	No
20	Ms. Patil S. D.	XXXXXXXX89H	M.E.	Punyashlok Ahilyadevi Holkar Solapur University (PAHSU)	CSE	17/07/2023	0.10	Assistant Professor	Assistant Professor		Regular	No	14/06/2024	No
21	Mrs. Rath (Joshi) Kulkarni	XXXXXXXX35B	M.Tech	Jawaharlal Nehru Technological University (JNTU)	CSE	01/08/2024	1.3	Assistant Professor	Assistant Professor		Regular	No	13/11/2025	No
22	Ms. Chimanchode P. G.	XXXXXXXX05P	MS	The University of Glasgow	Data Science	01/08/2024	0.10	Assistant Professor	Assistant Professor		Regular	No	30/06/2025	No
23	Mr. Simpi B. B.	XXXXXXXX04A	M.Tech	Nitte Meenakshi Institute of Technology (NMIT), Bangalore	Data Science	03/07/2024	0.10	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No

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

Sr.No	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	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	Ms. Sanmukh Sayali	XXXXXXXX01H	NA	M.Tech	Jawaharlal Nehru Technological University (JNTU)	CSE	01/09/2023	2.11	Assistant Professor	Assistant Professor		Regular	Yes		Yes
2	Dr. Gandhmal D.P.	XXXXXXXX13G	XXXXXXXX860	Ph.D	Vellore Institute of Technology (VIT)	CSE	01/08/2024	2	Associate Professor	Associate Professor	01/08/2024	Regular	Yes		No
3	Ms. Adhatrao A.S.	XXXXXXXX47H	XXXXXXXX178	M.E.	Punyashlok Ahilyadevi Holkar Solapur University (PAHSU)	CSE	04/05/2022	4.3	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Mr. Sangolgi V. A.	XXXXXXXX87H	XXXXXXXX899	M.E.	Punyashlok Ahilyadevi Holkar Solapur University (PAHSU)	CSE	06/08/2022	4	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Ms. Langote S. A.	XXXXXXXX14J	NA	M.E.	Punyashlok Ahilyadevi Holkar Solapur University (PAHSU)	CSE	06/08/2022	4	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Ms. Chanderki G.N.	XXXXXXXX07G	NA	M.E.	Punyashlok Ahilyadevi Holkar Solapur University (PAHSU)	CSE	02/01/2024	2.7	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mr. Swami G. N.	XXXXXXXX32B	XXXXXXXX586	M.E.	Dr. Babasaheb Ambedkar Marathwada University (BAMU)	CSE	31/08/2024	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr. Aherwadi N. B.	XXXXXXXX70Q	NA	M.Tech	Lovely Professional University	AI & ML	05/04/2023	3.4	Assistant Professor	Assistant Professor		Regular	Yes		No

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	198	132	132
UG1.C	132	132	132
UG1.D	132	132	132
UG1: Computer Science and Engineering	462	396	396
UG2.B	66	66	66
UG2.C	66	66	66
UG2.D	66	66	0
UG2: Artificial Intelligence and Data Science	198	198	132
DS=Total no. of students in all UG and PG programs in the Department	462	396	396
AS=Total no. of students of all UG and PG programs in allied departments	198	198	132
S=Total no. of students in the Department (DS) and allied departments (AS)	S1= 660	S2= 594	S3= 528
DF=Total no. of faculty members in the Department	16	18	17
AF= Total no. of faculty members in the allied Departments	8	8	4
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	F1= 24	F2= 26	F3= 21
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= 26.40	SFR2= 22.00	SFR3= 24.00
Average SFR for 3 years	SFR= 24.13		

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	21	32.00	9.69
2024-25(CAYm1)	4	23	29.00	11.38
2023-24(CAYm2)	3	19	26.00	10.19

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	4.00	1.00	7.00	2.00	22.00	21.00
2024-25	3.00	1.00	7.00	2.00	20.00	23.00
2023-24	3.00	1.00	6.00	1.00	18.00	19.00
Average	RF1=3.33	AF1=1.00	RF2=6.67	AF2=1.67	RF2=20.00	AF2=21.00

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	Mrs. Swami Swati Nitin	Assistant Professor	Consulting Advocate	Constitution of India	51.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Yogesh Patil	Corporate Trainer	Giri Tech Hub, Pune	C and C++ Programming	66.00
2	Mr. V. B. Binage	Assistant Professor	Persistent Systems	Theory of Computation	52.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Nachiket Joshi	Corporate Trainer	APT-Tech Solution, Kolhapur	Aptitude and Logical Reasoning	60.00

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	14	5	2
2	No. of peer reviewed conference papers published	24	5	2
3	No. of books/book chapters published	1	4	0

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 M.B.Patil	Novel Framework for Real Time Object Detection with Audio Output Leveraging YOLO aNd CNN	8 Months	0.06	0.06	paper published in UGC CARE II (Scopus/SCI/ESCI/WoS)
Dr M.B.Patil	Hybrid Deep Learning and OCR-Based Approach to Real-Time Automatic Number Plate Identification	9 months	0.08	0.08	paper published in UGC CARE II (Scopus/SCI/ESCI/WoS)
Dr. V. V. Bag	Enhanced Context-Based Stock Recommendation Integrating News Classification and Technical Indicators	9 Months	0.10	0.10	Paper published in UGC CARE II (Scopus/SCI/ESCI/WoS)
Prof S.C. Papade	Experimental Study on Rainfall Prediction Using Machine Learning	6 Months	0.09	0.09	Paper published in UGC CARE II (Scopus/SCI/ESCI/WoS)
Dr M.B.Patil	Secure Deduplication and Integrity Auditing in Cloud Storage Comprehensive to data confi and Efi	9 months	0.06	0.06	paper published in UGC CARE II (Scopus/SCI/ESCI/WoS)
Prof. M.S.Otari	Mindmentor : Mental health detection and remedy	8 Months	0.09	0.09	paper published in International conference on Artificial Intelligence ,communication and computational technologies(AiCCT 2024)ce "
Prof. V.D.Gaikwad	AI Driven Virtual Assistant : Emotion Aware for Mental Health Diagnosis And Therapy	6 Months	0.10	0.10	Paper published in UGC CARE II (Scopus/SCI/ESCI/WoS) "
Prof. Shaikh Z.M	Evaluating LSTM, BiLSTM, and TCN Models for Robust Nifty50 Closing Price Prediction	6 Months	0.10	0.10	Paper published in Bentham Science Book Series Indexed by Scopus and Web of Science
Prof. Smita Konda	Enhancing Medical Image Classificationusing Deep Learning	6 Months	0.07	0.07	Paper published in UGC CARE II (Scopus/SCI/ESCI/WoS)
Prof. V.D.Gaikwad	AI-Powered Classification of Birds and Drones with CNNs based on Optical Flow signals	8 Months	0.10	0.10	Paper published in UGC CARE II (Scopus/SCI/ESCI/WoS)
Prof.R.U.Shinde	Scalable and robust CNN modelsfor brain tumor detection in healthcare application	8 Months	0.10	0.10	Paper published in UGC CARE II (Scopus/SCI/ESCI/WoS)
Prof. S. D.Dudhanikar	Integrating Cosine Similarity and Item-Based Collaborative Filtering for Movie Recommendations	6 Months	0.10	0.10	Paper published in UGC CARE II (Scopus/SCI/ESCI/WoS)
Dr M.B.Patil	Secure Deduplication and Integrity Auditing in Cloud Storage	9 Months	0.06	0.06	Paper published in UGC CARE II (Scopus/SCI/ESCI/WoS)
Dr M.B.Patil	Novel Transfer Learning for Automated Pose Detection Using CNNs and BiT	8 Months	0.09	0.09	Paper published in UGC CARE II (Scopus/SCI/ESCI/WoS)
Dr M.B.Patil	Early Risk Prediction of Preterm Birth Using Contraction Pattern	6 Months	0.10	0.10	Paper published in UGC CARE II (Scopus/SCI/ESCI/WoS)
Prof. V.D.Gaikwad	AI-Powered Health Assistance for Asha Workers	6 Months	0.06	0.06	Research Patent Published
Prof. V.D.Gaikwad	Real Time Obstacle Aware Model for Blind and Sighted people	6 Months	0.06	0.06	Research Patent Published
Prof. V.D.Gaikwad	Suraksha AI:AI Driven IoT system for Suspicious Activity Detection	6 Month	0.06	0.06	Research Patent Published
			Amount received (Rs.): 1.48		

(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
Dr. V. V. Bag	DRESCNN: Deep RESNET CNN Based Classification of X-Ray Images for Detection	6 Months	0.10	0.10	Research paper published in Journal of Electrical Systems
Dr. V. V. Bag	Frequent CNN based ensembling for MRI classification for Abnormal Brain Growth detection	8 Months	0.10	0.10	Research paper published in Science In JOURNALS
Dr M.B.Patil	An Optimized CNN-Based Approach for Efficient Object Detection Using YOLO	6 Months	0.10	0.10	Research paper published in Springer Nature
Prof. M.S.Otari	Real-Time Conversion of American Sign Language Using Convolutional Neural Network	6 Months	0.07	0.07	Research paper published in Springer
Prof. M.S.Otari	Security, Privacy and Communication Efficiency in Federated Learning: Issues and Perspectives	8 Months	0.05	0.05	Research paper published in Springer
Prof. V.D.Gaikwad	Security and Privacy for Health Care Application in WBAN	6 Months	0.10	0.10	Research paper published
			Amount received (Rs.): 0.52		

(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. V. V. Bag	Real-Time Detection of Face Mask and Social Distancing	4 Months	0.04	0.04	Research paper published in Springer Nature
Dr. V. V. Bag	Crop Leaf Disease Detection in Soybean Crop Using Deep Learning Technique	8 Months	0.05	0.05	Research paper published in Springer
Dr. V. V. Bag	Revolutionizing Fashion: Fashion Era's Deep Convolutional Neural Network for Outfit Recommendations	6 Months	0.10	0.10	Research paper published in International Journal of Intelligent Systems and Applications in Engineering (IJISAE)
Prof. V.D.Gaikwad	Healthcare Using AI & Deep Learning	6 Month	0.05	0.05	Research Patent Published
			Amount received (Rs.): 0.24		

Total amount (Lacs) received for the past 3 years : 2.24

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	Computer Programming Lab- I	25	HP Desktop Pro 400 Core i5 13th Gen 13500 6C 3.30 Ghz/Q-670 Chipset MB/16GB (1/8) DDR4 3200/512 GB M 3 20000 RPM NVMe SSD, 16GB DDR4 RAM, 140W PSU	16 hrs	Mr. N. S. Waghmode	Lab Assistant	Batchelor of Science in Co

2	Software Design Lab	25	HP Desktop Pro 400 Core i5 13th Gen 13500 6C 3.30 Ghz/Q-670 Chipset MB/16GB (1/8) DDR4 3200/512 GB M	20 hrs	Mr. V. P. Nichal	Lab Assistant	Batchelor of Computer Sc
3	Operating System Lab	25	HP Desktop Pro 400 Core i5 13th Gen 13500 6C 3.30 Ghz/Q-670 Chipset MB/16GB (1/8) DDR4 3200/512 GB M	20 hrs	Mr. D. G. Dodale	Lab Assistant	Diploma in Computer Eng
4	Networking Lab	25	HP Desktop Pro 400 Core i5 13th Gen 13500 6C 3.30 Ghz/Q-670 Chipset MB/16GB (1/8) DDR4 3200/512 GB M	24 hrs	Mr. D. G. Dodale	Lab Assistant	Diploma in Computer Eng
5	Computer Programming Lab- II	25	Core i5 13th Gen 13500 6C 3.30 Ghz/Q-670 Chipset MB/16GB RAM (1/8) DDR4,3200 /512 GB M.2 2280 PCIE	16 hrs	Mr. P. D. Vardole	Lab Assistant	Diploma in Computer Eng
6	Database Lab	25	HP ProDesk 4 Tower G1i AI Desktop - Intel CoreTM Ultra 5 235, 14 Cores, 14 Threads, 24MB L2 Cache, 16GB	20 hrs	Mrs. P. L. Chavan	Lab Assistant	Diploma in Computer Tect

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Computer Programming Laboratory- I	a) General Safety • Central Fire Protection System • Fire Extinguisher • First Aided Box • All Electrical Wire and devices are protected by MCBs • Do's and Don'ts board b) Laboratory Specific Safety • Firewall • Antivirus • Earthing
2	Software Development Laboratory	a) General Safety • Central Fire Protection System • Fire Extinguisher • First Aided Box • All Electrical Wire and devices are protected by MCBs • Do's and Don'ts board b) Laboratory Specific Safety • Firewall • Antivirus • Earthing
3	Operating System Laboratory	a) General Safety • Central Fire Protection System • Fire Extinguisher • First Aided Box • All Electrical Wire and devices are protected by MCBs • Do's and Don'ts board b) Laboratory Specific Safety • Firewall • Antivirus • Earthing
4	Networking Laboratory	a) General Safety • Central Fire Protection System • Fire Extinguisher • First Aided Box • All Electrical Wire and devices are protected by MCBs • Do's and Don'ts board b) Laboratory Specific Safety • Firewall • Antivirus • Earthing
5	Computer Programming Laboratory- II	a) General Safety • Central Fire Protection System • Fire Extinguisher • First Aided Box • All Electrical Wire and devices are protected by MCBs • Do's and Don'ts board b) Laboratory Specific Safety • Firewall • Antivirus • Earthing
6	Database Laboratory	a) General Safety • Central Fire Protection System • Fire Extinguisher • First Aided Box • All Electrical Wire and devices are protected by MCBs • Do's and Don'ts board b) Laboratory Specific Safety • Firewall • Antivirus • Earthing

D3. Project Laboratory/Research Laboratory

Sr. No.	Laboratory Name	Major Equipment / Facilities	Types of research and innovation work support
1	Project lab	HP ProDesk 4 Tower G1i AI Desktop - Intel Core™ Ultra 5 235, 14 Cores, 14 Threads, 24MB L2 Cache, 16GB DDR5 5600, 1TB SSD M.2 2280, Windows 11 Pro OEM, Intel Wi-Fi 6	IoT, Machine Learning, Artificial Intelligence, Big data, NLP

Table 7.5.1: Details of laboratories for supporting projects, research, innovation

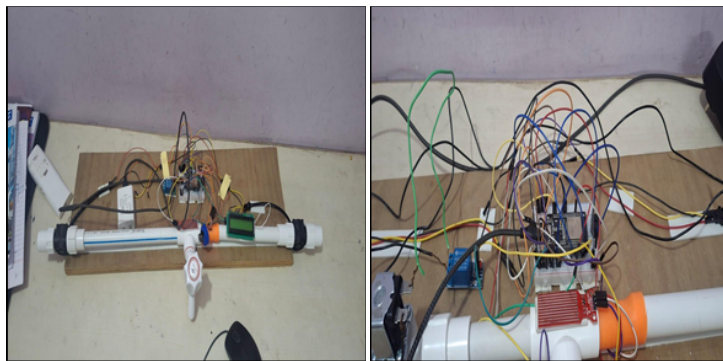
Patent Title	Student Name
AI Powered Health Assistant for ASHA Workers through Biometric Data Integration	Saniya Shaikh, Shraddha Mane, Bharati Gopireddi , Prajakta Chougule
SafeNavigate: AI Based Smart Map system for Educational Environments.	Gauri Jagannath Pandhare,Pranav Mahadeo Pavale
AI-Powered Classification of Birds and Drones with CNNs based on Optical Flow signals extracted from Videos	Mubashirin Akhalaque Ahmed Moulvi,Diksha Mallikarjun Kamble,Shraddha Mahadev Patil,Vrushti Arvind Mane

Table 7.5.1 List of Project/Research laboratory

Name of the Laboratory	Name of Important Equipment	Software's Available in Research Laboratory

Research Laboratory	HP ProDesk 4 Tower G1i AI Desktop - Intel CoreTM Ultra 5 235, 14 Cores, 14 Threads, 24MB L2 Cache, 16GB DDR5 5600, 1TB SSD M.2 2280, Windows 11 Pro OEM, Intel Wi-Fi 6	1) Windows 10 pro OS: TC, JAVA 1.8, VS2012, Blinder, NetBeans 8.2, Pacestar, R tool, Android SDK, Anaconda, Jupiter, Blender, C++, Office 13, VLC, Cygwin, Power ISO, Network Client agent, JAVA, QT 5.3.2, Packet tracer, Wire shark, SOPHOS Client Matalab software, Anaconda	2) Ubuntu 20.4 LTS OS: GCC,G++,Code blocks, JAVA, Python, Geany, Bison, Blender, Qt Creator , python, ipython, vlc, dox box, wire shark, Open Jdk 8, Netbeans, MySQL, NetBeans8.2, Lex, Yacc, MongoDB, Anaconda, Jupiter, Perl, Shell, Flex, Matalab software	

Table 7.5 List of project laboratory/Research laboratory /Center of Excellenc



IOT Project Title "Smart Water Leakage and Quality Detection"

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	7880000	908202	2155000	2091285	19170000	15772061	3849500	15674235
Software	600000	80280	121240	200600	249000	48982	221000	0
SDGs	500000	403067	300000	271872	300000	192952	200000	327558
Support for faculty development	530000	1339239	560000	1162671	379000	419285	106000	857658
R & D	150000	118265	150000	167215	150000	112302	24000	0

Industrial Training, Industry expert, Internship	330000	760426	200000	706244	115000	768173	31000	441160
Laboratory Repairs and Consumables	415000	684726	215000	156334	65000	801508	151200	548515
Total	10405000	4294205	3701240	4756221	20428000	18115263	4582700	17849126