

## NATIONAL BOARD OF ACCREDITATION

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

<b>Program Name</b> : Computer Science and Engineering (Data Science)	<b>Discipline</b> : Engineering & Technology
<b>Level</b> : Under Graduate	<b>Tier</b> : 1
<b>Application No</b> : 11507	<b>Date of Submission</b> : 06-02-2026

### PART A- Profile of the Institute

<b>A1. Name of the Institute</b> : R C Patel Institute of Technology	
Year of Establishment : 2001	Location of the Institute: Shirpur
<b>A2. Institute Address</b> : Near Nimzari Naka, Shahada Road, Shirpur - 425405, Dist: Dhule (MS)	
City: Dhule	State: Maharashtra
Pin Code: 425405	Website: www.rcpit.ac.in
Email: principal@rcpit.ac.in	Phone No (with STD Code): 2563-259600
<b>A3. Name and Address of the Affiliating University (if any)</b> :	
Name of the University : Dr. Babasaheb Ambedkar Technological University, L	City: Raigad
State : Maharashtra	Pin Code: 402103
<b>A4. Type of the Institution</b> : Autonomous CAY(2020-21)	
<b>A5. Ownership Status</b> : Self financing	

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

- No. of UG programs: **9**
- No. of PG programs: **1**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Computer Application	PG	Master of Computer Application	2023	2024	Computer Application
2	Engineering & Technology	UG	Artificial Intelligence and Data Science	2024	--	Artificial Intelligence and Data Science
3	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2021	--	Artificial Intelligence and Machine Learning
4	Engineering & Technology	UG	Civil Engineering	2010	--	Civil Engineering
5	Engineering & Technology	UG	Computer Engineering	2001	--	Computer Engineering
6	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2020	--	Computer Science and Engineering (Data Science)
7	Engineering & Technology	UG	Electrical Engineering	2012	--	Electrical Engineering
8	Engineering & Technology	UG	Electronics Telecommunication Engineering	2001	--	Electronics and Telecommunication Engineering
9	Engineering & Technology	UG	Information Technology	2024	--	Information Technology
10	Engineering & Technology	UG	Mechanical Engineering	2004	--	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
Computer Science and Engineering (Data Science)	Yes	Computer Science and Engineering (Data Science)	UG
Electrical Engineering	No	Electrical Engineering	UG
Civil Engineering	No	Civil 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
Computer Engineering	Computer Engineering	UG
Artificial Intelligence and Machine Learning	Artificial Intelligence and Machine Learning	UG
Information Technology	Information Technology	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 APPROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED
1	Computer Science and Engineering (Data Science)	UG	2020 / --	60	Yes	2024	120	2024	AICTE	Applying first time	--	--	0

Sanctioned Intake for Last Five Years for the Computer Science and Engineering (Data Science)	
Academic Year	Sanctioned Intake
2025-26	120
2024-25	120
2023-24	60
2022-23	60
2021-22	60
2020-21	60

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 APPROVAL DETAILS	ACCREDITATION STATUS	FROM	TO
1	Computer Engineering	Computer Engineering	UG	2001 / --	60	Yes	2017	180	2017	AICTE	Applying first time	--	--

**Sanctioned Intake for Last Five Years for the Computer Engineering**

Academic Year	Sanctioned Intake
2025-26	180
2024-25	180
2023-24	180
2022-23	180
2021-22	180
2020-21	180

2	Artificial Intelligence and Machine Learning	Artificial Intelligence and Machine Learning	UG	2021 / --	60	No	NA	60	2021	AICTE	Not eligible for accreditation	--	--
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3	Information Technology	Information Technology	UG	2024 / --	120	No	NA	120	2024	AICTE	Not eligible for accreditation	--	--
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4	Artificial Intelligence and Data Science	Artificial Intelligence and Data Science	UG	2024 / --	120	No	NA	120	2024	AICTE	Not eligible for accreditation	--	--
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**B2. Detail of Head of the Department for the program under consideration:**

A. Name of the HoD :	Dr. Ujwala Manoj Patil
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)	120	120	60	60	60	60	0

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	114	120	59	59	60	60	0
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	12	7	7	6	6	0
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	6	6	3	3	3	3	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	120	138	69	69	69	69	0

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)	120	114	6	100.00
2024-25 (CAYm1)	120	120	6	105.00
2023-24 (CAYm2)	60	59	3	103.33

Average  $[(ER1 + ER2 + ER3) / 3] = 102.78 \approx 100$

#### 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).	69.00	69.00	0.00
B=No. of students who graduated from the program in the stipulated course duration	63.00	67.00	0.00
Success Rate (SR)= (B/A) * 100	91.30	97.10	0.00

Average SR of three batches  $((SR_1 + SR_2 + SR_3)/3)$ : 94.20

#### 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)	7.40	7.66	6.90
Y=Total no. of successful students	122.00	61.00	58.00
Z=Total no. of students appeared in the examination	126.00	62.00	62.00
API $[X*(Y/Z)]$	7.17	7.54	6.45

Average API  $[(AP1+AP2+AP3)/3]$  : 7.05

#### 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 )
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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)	7.54	7.06	6.44
Y=Total no. of successful students	66.00	63.00	63.00
Z=Total no. of students appeared in the examination	68.00	65.00	68.00
API [ X * (Y/Z) ]	7.32	6.84	5.97

Average API [ (AP1 + AP2 + AP3)/3 ] : 6.71

### 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)	7.43	7.05	7.83
Y=Total no. of successful students	62.00	63.00	67.00
Z=Total no. of students appeared in the examination	63.00	63.00	68.00
API [ X*(Y/Z) ]:	7.31	7.05	7.71

Average API [ (AP1 + AP2 + AP3)/3 ] : 7.36

### B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	66.00	67.00	0.00
X=No. of students placed	40.00	51.00	0.00
Y=No. of students admitted to higher studies	1.00	3.00	0.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$ :	62.12	80.60	0.00

Average Placement Index =  $(P_1 + P_2 + P_3)/3$ : 71.36 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?
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1	Dr. Ujwala Manoj Patil	XXXXXXXX73J	M.Tech and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	17/09/2002	23.4	Lecturer	Professor	01/07/2020	Regular	Yes	Yes
2	Dr. Priti Shivaji Sanjekar	XXXXXXXX83L	M.E. and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	03/07/2009	16.6	Lecturer	Associate Professor	01/07/2022	Regular	Yes	No
3	Mr. Atul Deelip Mairale	XXXXXXXX39A	M.Tech	Rajiv Gandhi Proudयोगiki Vishwavidyalaya, Bhopal	Software Engineering	20/10/2021	4.2	Assistant Professor	Assistant Professor		Regular	Yes	No
4	Ms. Sunetra Prabhakar Salunkhe	XXXXXXXX45E	M.E.	North Maharashtra University, Jalgaon	Computer Science & Engineering	22/10/2021	4.2	Assistant Professor	Assistant Professor		Regular	Yes	No
5	Dr. Manisha Shantaram Patil	XXXXXXXX08L	M.E. and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	30/07/2022	3.5	Assistant Professor	Associate Professor	01/07/2025	Regular	Yes	No
6	Mr. Ashish Kailas Patil	XXXXXXXX81G	M.E.	North Maharashtra University, Jalgaon	Computer Engineering	09/04/2022	3.9	Assistant Professor	Assistant Professor		Regular	Yes	No
7	Mr. Santosh Kumar Bhandare	XXXXXXXX61B	M.Tech	Rajiv Gandhi Proudयोगiki Vishwavidyalaya, Bhopal	Computer Science & Engineering	09/01/2023	3	Assistant Professor	Assistant Professor		Regular	Yes	No
8	Mrs. Priyanka Devendra Lanjewar	XXXXXXXX27R	M.E.	Sant Gadge Baba Amravati University, Amravati	Computer Science & Information Technology	13/09/2022	3.4	Assistant Professor	Assistant Professor		Regular	Yes	No
9	Mr. Sujitkumar Vasant Chaudhari	XXXXXXXX30G	M.Tech	Rajiv Gandhi Proudयोगiki Vishwavidyalaya, Bhopal	Information Technology	24/07/2023	2.5	Assistant Professor	Assistant Professor		Regular	Yes	No
10	Mrs. Tejal Rajesh Girase	XXXXXXXX77J	M.Tech	Sri Satya Sai University of Technology and Medical Sciences, Sehore	Computer Science and Engineering	17/08/2023	2.5	Assistant Professor	Assistant Professor		Regular	Yes	No

11	Dr. Kiran Dinkar Chaudhari	XXXXXXXX18Q	M.Tech and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Data Science	17/06/2025	0.6	Associate Professor	Associate Professor	17/06/2025	Regular	Yes		No
12	Mr. Juber Ahamad Mo Salim Khatik	XXXXXXXX71N	M.Tech	Narsee Monjee Institute of Management Studies, Mumbai	Data Science	17/06/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mr. Yogeshkumar Raghunath Pathak	XXXXXXXX27E	M.Tech	Narsee Monjee Institute of Management Studies, Mumbai	Data Science	17/06/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mr. Kailas Dhanraj Deore	XXXXXXXX82R	M.Tech	Narsee Monjee Institute of Management Studies, Mumbai	Data Science	17/06/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Mr. Niraj Hari Kanot	XXXXXXXX28F	M.Tech	Jawaharlal Nehru Technological University, Hyderabad	Computer Science Engineering	22/10/2021	2.7	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	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	Dr. Sheetal Prashant Patil	XXXXXXXX92B	NA	M.Tech and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	24/12/2007	18	Assistant Professor	Associate Professor	01/07/2025	Regular	Yes		
2	Dr. Pankaj Valmik Baviskar	XXXXXXXX78Q	NA	M.Tech and Ph.D.	Medicaps University, Indore	Artificial Intelligence	17/06/2025	0.6	Associate Professor	Associate Professor	17/06/2025	Regular	Yes		
3	Dr. Nitin Girdhar Shinde	XXXXXXXX03J	NA	M.Tech and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Artificial Intelligence	17/06/2025	0.6	Associate Professor	Associate Professor	17/06/2025	Regular	Yes		

4	Mr. Nilesh Arun Patil	XXXXXXXX23R	NA	M.Tech	Narsee Monjee Institute of Management Studies, Mumbai	Artificial Intelligence	17/06/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		
5	Mr. Vasishth Vinayak Katre	XXXXXXXX23J	NA	M.Tech	Government College of Engineering, Amravati	Computer Science & Engineering	21/07/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		
6	Mr. Tushant Anilrao Tayde	XXXXXXXX87G	NA	M.Tech	Government College of Engineering, Amravati	Computer Science & Engineering	04/08/2023	2.5	Assistant Professor	Assistant Professor		Regular	Yes		
7	Mr. Nilesh Ravindra Chaudhari	XXXXXXXX83B	NA	M.Tech	Dr. Babasaheb Ambedkar Technological University, Lonere - Raigad, Maharashtra	Computer Engineering	01/08/2024	1.5	Assistant Professor	Assistant Professor		Regular	Yes		
8	Mr. Shankar Laxman Tambe	XXXXXXXX78L	NA	M.Tech	Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal	Computer Science & Engineering	01/02/2025	0.11	Assistant Professor	Assistant Professor		Regular	Yes		
9	Mrs. Kaminee Subhash Patil	XXXXXXXX20J	NA	M.E.	North Maharashtra University, Jalgaon	Computer Science & Engineering	03/03/2025	0.10	Assistant Professor	Assistant Professor		Regular	Yes		
10	Ms. Amerah Bano Zameer Ahmed Ansari	XXXXXXXX25C	NA	M.E.	North Maharashtra University, Jalgaon	Computer Science & Engineering	01/04/2023	2.9	Assistant Professor	Assistant Professor		Regular	Yes		
11	Ms. Shraddha Rajendra Shah	XXXXXXXX98J	NA	M.E.	North Maharashtra University, Jalgaon	Computer Science & Engineering	01/08/2022	2.9	Assistant Professor	Assistant Professor		Regular	No	02/05/2025	
12	Mr. Yogesh Landge	XXXXXXXX51L	NA	M.E.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Science & Engineering	01/06/2024	1.3	Assistant Professor	Assistant Professor		Regular	No	26/09/2025	
13	Mr. Ganesh Nandkumar Chaudhari	XXXXXXXX67K	NA	M.E.	North Maharashtra University, Jalgaon	Computer Engineering	17/08/2023	0.10	Assistant Professor	Assistant Professor		Regular	No	06/07/2024	
14	Mrs. Minakshi Hansraj Savant	XXXXXXXX02K	NA	M.E.	Gujarat Technological University, Ahmedabad	Information Technology	14/07/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No

15	Mr. Ganesh Nandkumar Chaudhari	XXXXXXXX67K	NA	M.E.	North Maharashtra University, Jalgaon	Computer Engineering	14/07/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Ms. Shraddha Rajendra Mundada	XXXXXXXX24P	NA	M.Tech	Dr. Babasaheb Ambedkar Technological Iniversity, Lonere - Raigad, Maharashtra	Computer Engineering	20/08/2025	0.4	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Ms. Yogita Vikram Singh Solanki	XXXXXXXX62R	NA	M.Tech	Rajiv Gandhi Proudयोगिकी विश्वविद्यालय, Bhopal	Computer Science & Engineering	01/08/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mr. Nitish Jagdish Patidar	XXXXXXXX68P	NA	M.Tech	Rajiv Gandhi Proudयोगिकी विश्वविद्यालय, Bhopal	Computer Science & Engineering	28/08/2025	0.4	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Mr. Sagar Gorakh Patil	XXXXXXXX09N	NA	MS	Dublin Business School, Ireland	Data Analytics	28/08/2025	0.4	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Ms. Megha Ravindra Sisode	XXXXXXXX24G	NA	M.E.	North Maharashtra University, Jalgaon	Computer Engineering	20/08/2025	0.4	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Mr. Rahul Sakharam Ishi	XXXXXXXX16H	NA	M.Tech	Rajiv Gandhi Proudयोगिकी विश्वविद्यालय, Bhopal	Computer Science & Engineering	11/08/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Ms. Pooja Balaram Limbola	XXXXXXXX25K	NA	M.Tech	Rajiv Gandhi Proudयोगिकी विश्वविद्यालय, Bhopal	Computer Science & Engineering	20/08/2025	0.4	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Dr. Rajnikant Bhagwan Wagh	XXXXXXXX93Q	NA	M.Tech and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	01/07/2005	20.6	Assistant Professor	Professor	01/08/2020	Regular	Yes		Yes
24	Dr. Jayantrao Bhaurao Patil	XXXXXXXX58A	NA	M.Tech and Ph.D.	North Maharashtra University, Jalgaon	Computer Engineering	18/07/2001	24.6	Professor	Professor	18/07/2001	Regular	Yes		No
25	Dr. Manoj Sakharam Ishi	XXXXXXXX85J	NA	M.Tech and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	23/07/2010	15.5	Assistant Professor	Professor	01/07/2024	Regular	Yes		No

26	Dr. Sandip Ravindra Sonawane	XXXXXXXX20A	NA	M.Tech and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	15/07/2006	19.6	Assistant Professor	Associate Professor	01/07/2014	Regular	Yes		No
27	Dr. Shailendra Madansing Pardeshi	XXXXXXXX14M	NA	M.Tech and Ph.D.	Oriental University Indore	Computer Science and Engineering	15/07/2006	19.6	Assistant Professor	Associate Professor	01/07/2014	Regular	Yes		No
28	Dr. Vipul Devendra Punjabi	XXXXXXXX98N	NA	M.Tech and Ph.D.	Oriental University Indore	Computer Science and Engineering	15/01/2009	17	Assistant Professor	Associate Professor	01/07/2014	Regular	Yes		No
29	Dr. Sudarshan Subhashrao Sonawane	XXXXXXXX89G	NA	M.Tech and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	21/10/2021	4.2	Assistant Professor	Associate Professor	01/07/2023	Regular	Yes		No
30	Dr. Puja Dipak Saraf	XXXXXXXX53B	NA	M.Tech and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	19/01/2009	16.11	Assistant Professor	Associate Professor	01/07/2025	Regular	Yes		No
31	Dr. Pankaj Rambhau Patil	XXXXXXXX30N	NA	M.E. and Ph.D.	Amity University Maharashtra	Computer Science and Engineering	12/07/2010	15.6	Assistant Professor	Associate Professor	01/07/2016	Regular	Yes		No
32	Dr. Mohmmadali Muzffarali Saiyyad	XXXXXXXX36D	NA	M.E. and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	02/01/2012	14	Assistant Professor	Associate Professor	02/07/2018	Regular	Yes		No
33	Dr. Pradip Kailas Patil	XXXXXXXX88L	NA	M.Tech and Ph.D.	Amity University Jaipur Rajasthan	Artificial Intelligence	17/06/2025	0.6	Associate Professor	Associate Professor	17/06/2025	Regular	Yes		No
34	Dr. Vandana Mohan Patil	XXXXXXXX98C	NA	M.Tech and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	15/12/2004	19.5	Assistant Professor	Associate Professor	01/06/2022	Regular	No	31/05/2024	No
35	Mr. Mahesh Madhukar Mahajan	XXXXXXXX05Q	NA	M.Tech	Rajiv Gandhi Proudyogiki Vishwavidyalaya Bhopal	Computer Science & Engineering	26/07/2010	15.5	Assistant Professor	Assistant Professor		Regular	Yes		No

36	Ms. Punam Ravan Patil	XXXXXXXX16L	NA	M.Tech	Rajiv Gandhi Proudयोगiki Vishwavidyalaya Bhopal	Computer Science & Engineering	22/07/2011	14.5	Assistant Professor	Assistant Professor		Regular	Yes		No
37	Mr. Mayur Jagdish Patil	XXXXXXXX77L	NA	M.E.	North Maharashtra University, Jalgaon	Computer Science & Engineering	01/02/2020	5.11	Assistant Professor	Assistant Professor		Regular	Yes		No
38	Mr. Sagar Uttamrao More	XXXXXXXX58M	NA	M.Tech	SVKM's MPSTME, NMIMS	Computer Engineering	21/10/2021	4.2	Assistant Professor	Assistant Professor		Regular	Yes		No
39	Mr. Vishal Sharad Thakare	XXXXXXXX38G	NA	M.E.	North Maharashtra University, Jalgaon	Computer Engineering	01/08/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
40	Ms. Jayshri Suresh Sonawane	XXXXXXXX37B	NA	M.E.	North Maharashtra University, Jalgaon	Computer Engineering	01/08/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
41	Mrs. Sapana Bhushan Raghuvanshi	XXXXXXXX32L	NA	M.E.	North Maharashtra University, Jalgaon	Computer Engineering	01/08/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
42	Ms. Pallavi Arun Agrawal	XXXXXXXX12R	NA	M.E.	Sant Gadgebaba Amravati University	Computer Science & Engineering	01/08/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
43	Mrs. Karishma Tushar Borse	XXXXXXXX78J	NA	M.E.	Savitribai Phule Pune University	Computer Engineering	29/08/2022	3.4	Assistant Professor	Assistant Professor		Regular	Yes		No
44	Mr. Manohar Bhika Patil	XXXXXXXX44A	NA	M.E.	North Maharashtra University, Jalgaon	Computer Science and Engineering	06/04/2022	3.9	Assistant Professor	Assistant Professor		Regular	Yes		No
45	Mrs. Pooja Niraj Bhandari	XXXXXXXX49Q	NA	M.Tech	Dr. Babasaheb Ambedkar Technological University Lonere	Computer Engineering	01/08/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
46	Mr. Atul Shirram Chaudhari	XXXXXXXX30R	NA	M.E.	North Maharashtra University, Jalgaon	Computer Science & Engineering	23/01/2024	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No
47	Mr. Harshal Shirram Patil	XXXXXXXX99R	NA	M.Tech	Rajiv Gandhi Proudयोगiki Vishwavidyalaya Bhopal	Computer Science & Engineering	09/01/2023	3	Assistant Professor	Assistant Professor		Regular	Yes		No

48	Mrs. Gayatri Bhushan Patil	XXXXXXXX99E	NA	M.E.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Science and Engineering	06/04/2022	3.9	Assistant Professor	Assistant Professor		Regular	Yes		No
49	Ms. Pramila Kailas Ahire	XXXXXXXX80A	NA	M.E.	North Maharashtra University, Jalgaon	Computer Science & Engineering	06/04/2022	3.9	Assistant Professor	Assistant Professor		Regular	Yes		No
50	Mr. Mahesh Ravindra Dhakad	XXXXXXXX04Q	NA	M.Tech	Dr.APJ Abdul Kalam University Indore	Computer Science & Engineering	01/08/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
51	Dr. Makarand Lotan Mali	XXXXXXXX14E	NA	M.E. and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	16/01/2010	15.11	Assistant Professor	Assistant Professor		Regular	No	31/12/2025	No
52	Mr. Dushyant Somnath Potdar	XXXXXXXX01H	NA	M.E.	North Maharashtra University, Jalgaon	Computer Engineering	06/04/2022	3.7	Assistant Professor	Assistant Professor		Regular	No	04/12/2025	No
53	Mrs. Swati Bhushan Patil	XXXXXXXX30F	NA	M.E.	North Maharashtra University, Jalgaon	Computer Science & Engineering	09/01/2023	2.4	Assistant Professor	Assistant Professor		Regular	No	09/06/2025	No
54	Mrs. Swati Bhushan Patil	XXXXXXXX30F	NA	M.E.	North Maharashtra University, Jalgaon	Computer Science & Engineering	10/06/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
55	Dr. Nitin Namdeo Patil	XXXXXXXX15E	NA	M.Tech and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	16/07/2005	18.11	Assistant Professor	Professor	01/07/2020	Regular	No	06/07/2024	No
56	Dr. Dharmaraj Rajaram Patil	XXXXXXXX62H	NA	M.E. and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	30/05/2006	18	Assistant Professor	Professor	01/07/2020	Regular	No	31/05/2024	No
57	Dr. Dharmaraj Rajaram Patil	XXXXXXXX62H	NA	M.E. and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	01/06/2024	1.7	Professor	Professor	01/06/2024	Regular	Yes		No

58	Mr. Swapnil Hiralal Chaudhari	XXXXXXXX91Q	NA	M.E.	North Maharashtra University, Jalgaon	Computer Engineering	06/04/2022	2.1	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
59	Dr. Vandana Mohan Patil	XXXXXXXX98C	NA	M.Tech and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	31/05/2025	0.7	Associate Professor	Associate Professor	31/05/2025	Regular	Yes		No
60	Dr. Vandana Mohan Patil	XXXXXXXX98C	NA	M.Tech and Ph.D.	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	Computer Engineering	01/06/2024	0.11	Associate Professor	Associate Professor	01/06/2024	Regular	No	30/05/2025	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 Department5 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	132	66	66
UG1.C	66	66	66
UG1.D	66	66	66
<b>UG1: Computer Science and Engineering (Data Science)</b>	<b>264</b>	<b>198</b>	<b>198</b>
UG2.B	132	0	0
UG2.C	0	0	0
UG2.D	0	0	0
<b>UG2: Artificial Intelligence and Data Science</b>	<b>132</b>	<b>0</b>	<b>0</b>
UG3.B	132	0	0

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG3.C	0	0	0
UG3.D	0	0	0
<b>UG3: Information Technology</b>	<b>132</b>	<b>0</b>	<b>0</b>
UG4.B	66	66	66
UG4.C	66	66	66
UG4.D	66	66	0
<b>UG4: Artificial Intelligence and Machine Learning</b>	<b>198</b>	<b>198</b>	<b>132</b>
UG5.B	198	198	198
UG5.C	198	198	198
UG5.D	198	198	198
<b>UG5: Computer Engineering</b>	<b>594</b>	<b>594</b>	<b>594</b>
DS=Total no. of students in all UG and PG programs in the Department	264	198	198
AS=Total no. of students of all UG and PG programs in allied departments	1056	792	726
S=Total no. of students in the Department (DS) and allied departments (AS)	<b>S1= 1320</b>	<b>S2= 990</b>	<b>S3= 924</b>
DF=Total no. of faculty members in the Department	14	10	11
AF= Total no. of faculty members in the allied Departments	49	37	37
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	<b>F1= 63</b>	<b>F2= 47</b>	<b>F3= 48</b>
FF=The faculty members in F who have a 100% teaching load in the first-year courses	6	4	4
Student Faculty Ratio (SFR)=S/(F-FF)	<b>SFR1= 23.16</b>	<b>SFR2= 23.02</b>	<b>SFR3= 21.00</b>
Average SFR for 3 years	<b>SFR= 22.39</b>		

### 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 = $2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	20	43	59.00	15.76
2024-25(CAYm1)	8	39	49.00	12.04
2023-24(CAYm2)	9	39	46.00	13.37

### C4. Faculty Cadre Proportion

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

- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	6.00	5.00	13.00	15.00	39.00	43.00
2024-25	5.00	5.00	11.00	3.00	33.00	39.00
2023-24	5.00	5.00	10.00	4.00	30.00	39.00
Average	RF1=5.33	AF1=5.00	RF2=11.33	AF2=7.33	RF2=34.00	AF2=40.33

#### C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Lakhan Thakur	Manager Support Engineer	Cloud Software	Cloud Computing, Web Engineering, Mock Interview	51.00
2	Dr. Smita Mahajan	Assistant Professor	Symbiosis Institute of Technology, Pune	Project Stage-I, Semester Project-III	16.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Naman Madharia	Senior Software developer	Qualys	Semester Project-I, Semester Project-III, Semester Project-II, Project Stage-I	52.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Swapnil Bhadane	ETL Testing Lead	Tech Mahindra	Semester Project-I, Semester Project-III, Semester Project-II, Project Stage-I	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	2	2	1
2	No. of peer reviewed conference papers published	3	3	1
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)**

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Ujwala Manoj Patil	Dr. Priti Shivaji Sanjekar	Computer Science & Engineering (Data Science)	CureConnect-Essential Build	Sudip Hospital, Shirpur	6 Months	0.30
Dr. Ujwala Manoj Patil	Dr. Priti Shivaji Sanjekar	Computer Science & Engineering (Data Science)	CureConnect-Enterprise Edition	Siddhivinayak Hospital, Shirpur	6 Months	0.37
Dr. Ujwala Manoj Patil	Dr. Priti Shivaji Sanjekar	Computer Science & Engineering (Data Science)	Website Development for Sumalti Multispeciality Hospital, Sakri	Sumalti Multispeciality Hospital, Sakri	6 Months	0.30
						Amount received (Rs.):0.97

**(CAYm2)**

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Priti Shivaji Sanjekar	Dr. Ujwala Manoj Patil	Computer Science & Engineering (Data Science)	SikhoEasy Learning Platform	Techity, Hyderabad	1 Year	0.35
Dr. Ujwala Manoj Patil	Dr. Priti Shivaji Sanjekar	Computer Science & Engineering (Data Science)	Smart Grass Cutting Robot	Ahilya Lawns, Shirpur	6 Months	0.45
						Amount received (Rs.):0.80

**(CAYm3)**

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
-	-	-	-	-	-	0.00
						Amount received (Rs.):0.00

**Total Amount (Lacs) Received for the Past 3 Years: 1.77**

**Note\*:**

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

**C8. Consultancy Work**

Table No. C8.1: List of consultancy projects received from external agencies.

**(CAYm1)**

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Jayantrao Bhaurao Patil	Dr. Ujwala Manoj Patil	Examination	Digital Platform Support for Smooth Conduction of MHT-CET Examination 2024–25 (PCB & PCM)	Assessinfra Technology Pvt. Ltd	20 Days	3.16
Dr. Jayantrao Bhaurao Patil	Dr. Ujwala Manoj Patil	Examination	Digital Platform Support for Smooth Conduction of MHT-CET Examination 2024–25 (BCA)	Assessinfra Technology Pvt. Ltd	1 Day	0.24
						Amount received (Rs.):3.40

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.Jayantrao Bhaurao Patil	Dr. Ujwala Manoj Patil	Examination	Digital Platform Support for Smooth Conduction of Examination	VM Info Tech	10 Days	1.59
Dr.Jayantrao Bhaurao Patil	Dr. Ujwala Manoj Patil	Examination	Digital Platform Support for Smooth Conduction of MHT CET Examination 2023-24	CET Cell	2 Days	0.15
						Amount received (Rs.):1.74

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.Jayantrao Bhaurao Patil	Dr. Ujwala Manoj Patil	Examination	Digital Platform Support for Smooth Conduction of NTA NEET	NTA NEET	10 Days	1.80
Dr.Jayantrao Bhaurao Patil	Dr. Ujwala Manoj Patil	Examination	Digital Platform Support for Smooth Conduction of NTA NEET	NTA NEET	10 Days	0.28
Dr.Jayantrao Bhaurao Patil	Dr. Ujwala Manoj Patil	Examination	Digital Platform Support for Smooth Conduction of Ven Sysco Infra Pvt. Ltd.	Ven Sysco Infra Pvt. Ltd.	10 Days	4.31
						Amount received (Rs.):6.39

**Total amount (Lacs) received for the past 3 years: 11.53**

**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. Ujwala Manoj Patil	PrepCET	1 Year	0.60	0.50	Promoted Startup
Dr. Ujwala Manoj Patil	Smart AI Mock Interview Platform	1 Year	0.30	0.25	Research Work Published
Dr. Priti Shivaji Sanjekar	Blockchain Based Fake Product Identification	1 Year	0.71	0.25	Research Work Published
			Amount received (Rs.): 1.61		

(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. Priti Shivaji Sanjekar	SONAR Rock vs Mine Prediction	1 Year	0.60	0.25	Research Work Published
			Amount received (Rs.): 0.60		

(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. Ujwala Manoj Patil	Moving Vehicle Registration Plate Detection (SIH-2022)	6 Months	0.90	0.45	Team was selected in Final round of SIH at New Delhi
			Amount received (Rs.): 0.90		

Total amount (Lacs) received for the past 3 years : 3.11

## 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	CSE(Data Science) Computer Lab 1	23	System: Dell OPTIPLEX 3050, 19.5", Intel Core i3, 4th Gen, 3.40 GHz, RAM 8 GB, HDD 500 +SSD	32 Hrs/Week	Mr.Umesh Daga Goad	Lab Assistant	B.E. (Computer)
2	CSE(Data Science) Computer Lab 2	23	System: HP ProOne, 400 G1 All in One, 19.5", Intel Core i3-4130T, 4th Gen, 2.90 GHz, RAM 8GB, HDD 500+510 GB SSD, 5-Port USB, Ethernet, Wi-Fi, Bluetooth	32 Hrs/Week	Mr.Umesh Daga Goad	Lab Assistant	B.E. (Computer)
3	CSE(Data Science) Computer Lab 3	23	System: HP ProOne 600 G6 All in One, Core i5 10th Gen, 2.30 GHz, 8GB RAM, 500GB HDD, 22". HDD: 2TB 40000 RPM, Desktop, 5-Port USB4	34 Hrs/Week	Mr.Manoj Pralhad Praja	Lab Assistant	B.E. (Computer)
4	CSE(Data Science) Computer Lab 4	23	System: HP ProOne 600 G6 All in One, Core i5 10th Gen, 2.30 GHz, 8GB RAM, 500GB HDD, 22". Desktop, 5-Port USB4	32 Hrs/Week	Mr.Manoj Pralhad Praja	Lab Assistant	B.E. (Computer)
5	CSE(Data Science) Computer Lab 5	23	System: HP All in One 200 G3, 2.2 GHz Intel Core i3-8130u, 8th Gen, processor 2.20 GHz, 8GB DDR4 RAM, 21.45 inch screen, Integrated	36 Hrs/Week	Mr.Baviskar Navneet Pr	Lab Assistant	B.E. (E&TC)
6	CSE(Data Science) Computer Lab 6	23	System: HP ProOne 400 G1 All in One 19.5", 2.90 GHz Intel Core i3-4130T, 4th Gen, RAM 8GB, HDD 500+510 GB SSD, Smart Board, Camera, ....	36 Hrs/Week	Mr.Baviskar Navneet Pr	Lab Assistant	B.E. (E&TC)

### D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	CSE(Data Science) Computer Lab 1	A. Basic safety measures: Do's and Don'ts. B. Lab-specific safety measures: First-aid box, CCTV Surveillance, Fire safety and Electrical Safety.

2	CSE(Data Science) Computer Lab 2	A. Basic safety measures: Do's and Don'ts. B. Lab-specific safety measures: First-aid box, CCTV Surveillance, Fire safety and Electrical Safety.
3	CSE(Data Science) Computer Lab 3	A. Basic safety measures: Do's and Don'ts. B. Lab-specific safety measures: First-aid box, CCTV Surveillance, Fire safety and Electrical Safety.
4	CSE(Data Science) Computer Lab 4	A. Basic safety measures: Do's and Don'ts. B. Lab-specific safety measures: First-aid box, CCTV Surveillance, Fire safety and Electrical Safety.
5	CSE(Data Science) Computer Lab 5	A. Basic safety measures: Do's and Don'ts. B. Lab-specific safety measures: First-aid box, CCTV Surveillance, Fire safety and Electrical Safety.
6	CSE(Data Science) Computer Lab 6	A. Basic safety measures: Do's and Don'ts. B. Lab-specific safety measures: First-aid box, CCTV Surveillance, Fire safety and Electrical Safety.
7	Project Lab	A. Basic safety measures: Do's and Don'ts. B. Lab-specific safety measures: First-aid box, CCTV Surveillance, Fire safety and Electrical Safety.
8	Centre of Excellence (Computer Centre and Language Lab)	A. Basic safety measures: Do's and Don'ts. B. Lab-specific safety measures: First-aid box, CCTV Surveillance, Fire safety and Electrical Safety.

**D3. Project Laboratory/Research Laboratory**

Using the facilities available in the Project Laboratory / Centre of Excellence listed in Table 7.5.1, students will be able to undertake practical experiments, develop innovative and industry relevant projects, carry out advanced research and gain hands on experience with modern tools and technologies. These facilities enable students to apply theoretical knowledge to real world problems, enhance their analytical and problem solving skills, foster creativity and innovation and prepare them for higher studies, competitive research and professional careers. Additionally, the exposure to state-of-the-art equipment and collaborative work encourages teamwork, technical competence and an understanding of industry standards and best practices.

**Table No. 7.5.1:** List of Project Laboratory/Centre of Excellence.

S.N.	Name of the Laboratory
1.	<p><b>Project Laboratory</b></p> <p>The Computer Science and Engineering (Data Science) Department has well-established Project Laboratory that are readily accessible to students for carrying out academic projects (Semester Projects and Major Projects), research activities, internships, and innovative developments in the field of Data Science.</p> <p>These laboratories are equipped with adequate computing systems, programming environments and reliable internet connectivity to support project implementation and research oriented learning. The infrastructure enables students to work on real time datasets, machine learning models, statistical analysis, data visualization and Data Science based applications.</p> <p>Details of completed projects are documented in Section 2.2(D) of the Self-Assessment Report (SAR).</p> <p>Total Number of PC:20</p> <p>Configuration:</p> <p>HP ProOne All in One 600 G6, Core i5 10th Gen, Processor 2.30 GHz, 8GB RAM, 500GB HDD, 22".</p> <p><b>Utilization</b></p> <p>The Project Laboratory of the Department of CSE (Data Science) is effectively utilized by students and faculty for carrying out Semester Project, final-year major projects, internships and innovation driven activities. The laboratory supports all phases of project development, including problem identification, data collection, experimental analysis, modeling, simulation, software development, testing and validation. The laboratory equipped with computing systems and advanced tools such as LaTeX, Python, R, TensorFlow and Google Colab. These facilities enables students to develop data driven solutions and gain practical exposure aligned with industry and research requirements.</p> <p><b>Relevance to POS/PSOs:</b> PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO11, PO12, PSO1, PSO2</p>

S.N.	Name of the Laboratory
2.	<p><b>Centre of Excellence</b></p> <p>The Institute has established a Centre of Excellence as a dedicated facility to promote advanced learning, innovation and industry interaction. It acts as a common platform where students and faculty members can engage in project development, research activities, skill enhancement programs and technology-based initiatives.</p> <p>The Centre is supported with modern infrastructure, updated hardware platforms and required software tools to work in emerging and interdisciplinary domains</p> <p>The <b>Centre of Excellence for Foreign Languages</b> aims to improve students' communication and professional skills. The <b>Language Lab</b> is equipped with audio-visual systems and language learning software to enhance listening, speaking, reading and writing skills. In addition to English communication training, the lab also provides training in German and Japanese languages to improve global employability and international opportunities for students.</p> <p>The <b>Centre of Excellence integrates the CodeChef Learning Platform</b> to systematically enhance students' programming, problem-solving, and analytical capabilities. It provides a structured and progressive learning environment focused on building strong foundations in coding, logical reasoning, and algorithm design. The curriculum is aligned with industry standards to strengthen computational thinking and core technical competencies required in today's technology-driven landscape.</p> <p>Beyond problem-solving, the platform emphasizes hands-on project development using modern technologies such as MERN (MongoDB, Express.js, React and Node.js), SQL, Spring Boot, Data Analysis and Machine Learning. Students gain practical exposure by building real-world applications, working with databases, and developing intelligent systems, thereby bridging the gap between theoretical learning and industry application.</p> <p><b>Utilization</b></p> <p>The CodeChef platform is utilized to enhance students' coding proficiency and analytical thinking through structured practice in a time-bound environment, improving both accuracy and execution speed. It supports systematic preparation for technical interviews and placement processes by reinforcing core programming concepts and data structures.</p> <p>Additionally, students engage in technology-driven project work across domains such as full-stack development (MERN stack), database management (SQL), and Machine Learning, enabling them to build portfolios that demonstrate practical skills alongside problem-solving expertise.</p> <p>The Language Lab is utilized for communication skill development, presentation practice, group discussions, interview preparation and foreign language learning (German and Japanese). It helps students build confidence and prepare for placements and global career opportunities.</p> <p><b>Relevance to POS/PSOs:</b> PO1, PO2, PO3, PO4, PO5, PO10, PO11, PSO1, PSO2</p>

## PART E: First Year faculty and financial Resources

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

### E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage=((NS1*0.8) + (NS2*0.2))/RF
2023-24(CAYm2)	600	30	19	15	61
2024-25(CAYm1)	900	45	24	16	50
2025-26(CAY)	900	45	24	17	50

## 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	56185000	40031473.43	15500000	14184657.16	19500000	17957708.42	26600000	25803609
Library	3010000	2144543.22	390000	365810	475000	428611	600000	562977
Laboratory equipment	19313000	13760818.99	18000000	16334781.67	4000000	3740419.44	2030000	1942207.57
Teaching and non-teaching staff salary	200133000	148598973.9	260500000	258021615	244000000	239915225	20830000	20627479
Outreach Programs	1505000	1072271.61	100000	93515	250000	236479	44000	41828
R&D	2634000	1876475.32	260000	220720	200000	190765	44000	41417.47
Training, Placement and Industry linkage	9030000	6433629.66	7500000	7142410	7200000	6839043.2	3230000	3035586
SDGs	65336000	45571543.42	62000000	58921028.7	70000000	63735562.11	76400000	70692693.32
Entrepreneurship	1693000	1206305.56	150000	139055	175000	168410	142000	133549
Others, specify	16584000	4691188	15000000	720000	7000000	2705775.52	4000000	4092368
<b>Total</b>	<b>375423000</b>	<b>265387223.11</b>	<b>379400000</b>	<b>356143592.53</b>	<b>352800000</b>	<b>335917998.69</b>	<b>133920000</b>	<b>126973714.36</b>

## 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	2403313.18	1712398.78	2087974.46	1894811.50	435559.34	407293.65	165407.41	158253.95

Software	311100.45	290544.42	40599.50	40119.73	544449.17	506330.58	407407.41	333452.21
SDGs	8130423.54	5670931.03	7191912.03	6834755.72	7622288.39	6940154.79	6225185.19	5760145.38
Support for faculty development	62220.09	59731.29	92798.86	83518.98	87111.87	78400.68	40740.74	39111.11
R & D	327775.43	233508.92	30159.63	25603.21	21777.97	20772.37	3585.19	3374.76
Industrial Training, Industry expert, Internship	1123694.82	800602.03	869989.36	828509.43	784006.81	744702.28	263185.19	247344.04
Miscellaneous Expenses*	0	0	0	0	0	0	0	0
<b>Total</b>	<b>12358527.51</b>	<b>8767716.47</b>	<b>10313433.84</b>	<b>9707318.57</b>	<b>9495193.55</b>	<b>8697654.35</b>	<b>7105511.13</b>	<b>6541681.45</b>