

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Civil Engineering	Discipline : Engineering & Technology
Level : Under Graduate	Tier : 1
Application No : 11507	Date of Submission : 06-02-2026

PART A- Profile of the Institute

A1.Name of the Institute : R C Patel Institute of Technology	
Year of Establishment : 2001	Location of the Institute: Shirpur
A2. Institute Address :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
A3. Name and Address of the Affiliating University (if any) :	
Name of the University : Dr. Babasaheb Ambedkar Technological University, L	City: Raigad
State : Maharashtra	Pin Code: 402103
A4. Type of the Institution : Autonomous CAY(2020-21)	
A5. Ownership Status : 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)

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 APPROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED
1	Civil Engineering	UG	2010 / --	60	No	NA	60	2010	First AICTE letter of approval for A.Y.F. No WRM/1-14601229/2010/EOA. , (Letter dated 23/08/2010)	Applying first time	--	--	0

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. Yogesh Narayan Sonawane
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	60	60

N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	58	56	37	60	50	42	42
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	20	20	11	21	26	26
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	3	3	3	1	2	3	3
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	61	79	60	72	73	71	71

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	58	3	101.67
2024-25 (CAYm1)	60	56	3	98.33
2023-24 (CAYm2)	60	37	3	66.67

Average [(ER1 + ER2 + ER3) / 3] = 88.89≅ 17.00

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

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

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	81.00	86.00	86.00
B=No. of students who graduated from the program in the stipulated course duration	43.00	58.00	65.00
Success Rate (SR)= (B/A) * 100	53.09	67.44	75.58

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 65.37

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)	6.85	7.49	6.16
Y=Total no. of successful students	42.00	27.00	42.00
Z=Total no. of students appeared in the examination	56.00	37.00	60.00
API [X*(Y/Z)]	5.14	5.47	4.31

Average API[(AP1+AP2+AP3)/3] : 4.97

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)	7.31	6.68	6.13
Y=Total no. of successful students	41.00	44.00	48.00
Z=Total no. of students appeared in the examination	47.00	53.00	52.00
API [X * (Y/Z)]	6.38	5.55	5.66

Average API [(AP1 + AP2 + AP3)/3] : 5.86

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)	6.77	6.67	7.14
Y=Total no. of successful students	43.00	47.00	59.00
Z=Total no. of students appeared in the examination	44.00	48.00	62.00
API [X*(Y/Z)]:	6.62	6.53	6.79

Average API [(AP1 + AP2 + AP3)/3] : 6.65

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	81.00	86.00	86.00
X=No. of students placed	36.00	35.00	35.00
Y=No. of students admitted to higher studies	5.00	4.00	6.00
Z= No. of students taking up entrepreneurship	6.00	8.00	8.00
Placement Index(P) = ((X + Y + Z)/FS) * 100):	58.02	54.65	56.98

Average Placement Index = (P_1 + P_2 + P_3)/3: 56.55 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. Yogesh Narayan Sonawane	XXXXXXXX97N	Ph.D	Kavayitri Bahinabai Chaudhari North Maharashtra University, P.O. Box No. 80, Umavi Nagar, Jalgaon -	Civil Engineering	19/07/2010	15.6	Assistant Professor	Associate Professor	18/08/2025	Regular	Yes		Yes
2	Dr. Hemraj Ramdas Kumavat	XXXXXXXX74L	Ph.D	Mukesh Patel School of Technology Management and Engineering, NMIMS, Mumbai	Civil Engineering	01/08/2008	17.5	Lecturer	Associate Professor	31/07/2023	Regular	Yes		No
3	Mr. Ganesh Vijay Tapkire	XXXXXXXX68R	M.Tech	Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal	Building construction Technology	22/07/2011	14.5	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Dr. Pramod Sambhaji Patil	XXXXXXXX47B	Ph.D	Kavayitri Bahinabai Chaudhari North Maharashtra University, P.O. Box No. 80, Umavi Nagar, Jalgaon -	Civil Engineering	22/07/2011	14.5	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Dr. Chetan Jaiprakash Chitte	XXXXXXXX94Q	Ph.D	Amity University, Mumbai	Civil Engineering	01/02/2012	13.11	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Dr. Mahesh Navnath Patil	XXXXXXXX30E	Ph.D	Kavayitri Bahinabai Chaudhari North Maharashtra University, P.O. Box No. 80, Umavi Nagar, Jalgaon -	Civil Engineering	11/06/2012	13.7	Assistant Professor	Associate Professor	27/08/2024	Regular	Yes		No
7	Mr. Rajendra Dinkar Patil	XXXXXXXX26D	M.E.	North Maharashtra University, P.O. Box No. 80, Umavi Nagar, Jalgaon -	Building Science & Technology	16/08/2012	13.5	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr. Aakash Suresh Pawar	XXXXXXXX96L	M.E.	North Maharashtra University, P.O. Box No. 80, Umavi Nagar, Jalgaon -	Infrastructure Engineering and Management	22/08/2012	13.4	Assistant Professor	Assistant Professor		Regular	Yes		No

9	Mr. Jitendra Manilal Joshi	XXXXXXXX76L	M.Tech	Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	Structural Engineering	02/11/2020	5.2	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Dr. Rahul Kantilal Pawar	XXXXXXXX84E	Ph.D	Mansarovar Global University (Sehore)	Environmental Engineering	09/02/2021	4.11	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Dr. Hiteshkumar Santosh Patil	XXXXXXXX99G	Ph.D	Kavayitri Bahinabai Chaudhari North Maharashtra University, P.O. Box No. 80, Umavi Nagar, Jalgaon -	Civil Engineering	24/08/2022	3.4	Associate Professor	Professor	01/07/2024	Regular	Yes		No
12	Mr. Tushar Suryakant Bhamare	XXXXXXXX72D	M.E.	Kavayitri Bahinabai Chaudhari North Maharashtra University, P.O. Box No. 80, Umavi Nagar, Jalgaon -	Infrastructure Engineering and Management	01/08/2024	1.5	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Dr. Lomesh Shashikant Mahajan	XXXXXXXX91G	Ph.D	Dr. Babasaheb Ambedkar Technological University, Lonere, Tal-Mangaon, Dist – Raigad	Civil Engineering	12/08/2013	10.9	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
14	Mr. Nikhil Yuvraj Mitbhakare	XXXXXXXX43R	M.Tech	Shivaji University, Kolhapur	Structural Engineering	23/08/2023	1.8	Assistant Professor	Assistant Professor		Regular	No	09/05/2025	No
15	Mr. Dinesh Madhukar Sutar	XXXXXXXX45F	M.Tech	Savitribai Phule Pune University, Pune	Construction and Management	28/08/2023	1.9	Assistant Professor	Assistant Professor		Regular	No	10/06/2025	No

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

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):

UG1=1st UG program

UGn=nth UG program

B= No. of Students in UG 2nd year (ST)

C= No. of Students in UG 3rd year (ST)

D= No. of Students in UG 4th year (ST)

No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

Student Faculty Ratio (**SFR**) = S/F

S= No. of students of all programs in the Department including all students of allied departments/clusters.

No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)

Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.

F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

No. of UG Programs in the Department1 No. of PG Programs in the 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	66
UG1: Civil Engineering	198	198	198
DS=Total no. of students in all UG and PG programs in the Department	198	198	198
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= 198
DF=Total no. of faculty members in the Department	12	14	14
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= 12	F2= 14	F3= 14
FF=The faculty members in F who have a 100% teaching load in the first-year courses	3	3	3
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 22.00	SFR2= 18.00	SFR3= 18.00
Average SFR for 3 years	SFR= 19.33		

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)	6	6	9.00	23.33
2024-25(CAYm1)	3	11	9.00	20.56
2023-24(CAYm2)	2	12	9.00	18.89

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	1.00	1.00	2.00	3.00	6.00	8.00
2024-25	1.00	1.00	2.00	2.00	6.00	11.00
2023-24	1.00	0.00	2.00	2.00	6.00	12.00
Average	RF1=1.00	AF1=0.67	RF2=2.00	AF2=2.33	RF2=6.00	AF2=10.33

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. Kirankumar Joshi	Principal Structural Engineer	Nine Era Engineering Consultants, Mumbai	Design Principles of High-Rise Buildings	25.00
2	Mr. Kirankumar Joshi	Principal Structural Engineer	Nine Era Engineering Consultants, Mumbai	Design Principles of High-Rise Buildings	30.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Vikram Jitendrakumar Patel	Quality control Engineer	MAPE Construction project	Infrastructural Engineering	25.00
2	Mr. Vikram Jitendrakumar Patel	Quality control Engineer	MAPE Construction project	Quality control in Construction Industry	30.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Chayan Bansal	Project Engineer	Make my House Indore	Construction Management	25.00
2	Mr. Chayan Bansal	Project Engineer	Make my House Indore	Construction Management	30.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	3	9	1
2	No. of peer reviewed conference papers published	3	3	6
3	No. of books/book chapters published	1	0	0

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
Hemraj R Kumavat	Aakash S Pawar	Civil Engineering Dept.	Tapi River Suicide Attempt Remedial Action	Gram Panchayat, Savalda	6 months	0.48
Pramod S Patil	Tushar S Bhamre	Civil Engineering Dept.	Sustainability Assessment: Energy and Green Audit – RCPIT	Ashram School, Tarhadi	6 months	0.44
						Amount received (Rs.):0.92

(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
Yogesh N Sonawane	Ganesh V Tapkire	Civil Engineering Dept.	Aesthetic Planning of Garden at Janikaran Nagar	Badgujar Associates, Shirpur	6 months	0.37
Hiteshkumar S Patil	Aakash S Pawar	Civil Engineering Dept.	Bio-brick Development of Sustainable and Cost-effective Building Material	Vijay Developers, Nashik	6 months	0.42
						Amount received (Rs.):0.79

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 1.71

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
Rajendra D Patil	Ganesh V Tapkire	Civil Engineering Dept.	Elevated Storage Reservoir Inspection & Testing Report At Village Bamhane, Tal: Shindkheda, Dist: Dhule.	Grampanchayat Bamhane & Zilla Parishad Dhule	22/01/2025	0.16
Ganesh V Tapkire	Hiteshkumar S Patil	Civil Engineering Dept.	Cube testing work	Tathya Spinner Ltd.	20/03/2025	0.03
Ganesh V Tapkire	Hiteshkumar S Patil	Civil Engineering Dept.	Cube testing work	Shirpur construction	20/03/2025	0.18
Ganesh V Tapkire	Hiteshkumar S Patil	Civil Engineering Dept.	Concrete Mix design	Nitin Baviskar	22/03/2025	0.12
Ganesh V Tapkire	Hiteshkumar S Patil	Civil Engineering Dept.	Testing of aggregate	SMYLE Housing Pvt Ltd	04/07/2024	0.02
						Amount received (Rs.):0.51

(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
Rajendra D Patil	G V Tapkire	Civil Engineering Dept.	Elevated Storage Reservoir Inspection & Testing Report At Village Bhatane, Tal: Shirpur, Dist: Dhule.	Grampanchayat Bhatane & Zilla Parishad Dhule	18/04/2024	0.16
Hemraj R Kumavat	Ganesh V Tapkire	Civil Engineering Dept.	Cube testing work	Shirpur construction	15/04/2024	0.26
Ganesh V Tapkire	Hiteshkumar S Patil	Civil Engineering Dept.	Testing of aggregate	SMYLE Housing Pvt Ltd	06/02/2024	0.01
Hemraj R Kumavat	Ganesh V Tapkire	Civil Engineering Dept.	Cube testing work	Shirpur construction	10/08/2023	0.24
						Amount received (Rs.):0.67

(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
Hemraj R Kumavat	Rajendra D Patil	Civil Engineering	Structural Audit- ESR at Amlthe	Gram panchayat	16/07/2022	0.15
Hemraj R Kumavat	Rajendra D Patil	Civil Engineering	Structural Audit- ESR at Mudawad	Gram panchayat	16/7/2022	0.15
						Amount received (Rs.):0.30

Total amount (Lacs) received for the past 3 years: 1.48

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
Ganesh V Tapkire	Innovative Material Sorting Techniques for CD Waste	3 Months	0.33	0.33	Paper published in SSRG Journal
Rajendra D Patil	Performance of Concrete with Various Recycled Aggregates	6 Months	0.82	0.82	Paper published in ETASR Journal
			Amount received (Rs.): 1.15		

(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
Chetan J Chitte	Structural Performance of RCC Framed Elevated Circular Shape Tank in the Indian Region	1 Yr	0.33	0.33	Paper published in Journal of SSRG
Pramod S. Patil	Comparative Study of Water Quality Index of the Tapi River Basin in Northern Maharashtra	1Yr	0.36	0.36	Research Work Published
			Amount received (Rs.): 0.69		

(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
Ganesh V Tapkire	Third International Conference on Advances in Management, Engineering & Technology (ICAMET-2023)	1 Day	0.02	0.02	Multidisciplinary learning
Pramod S Patil	International Conference	1 Day	0.02	0.02	Contribution to global academic discourse.
			Amount received (Rs.): 0.04		

Total amount (Lacs) received for the past 3 years : 1.88

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	Concrete Technology Laboratory	20	Abrasion testing machine, Ductility testing machine, Universel Penetrometer	18 Hrs/Week	Mr. Prafulla Dilip Lohar	Lab Assistant	Diploma Civil
2	Surveying and Testing of Materials Laboratory	20	Standard vernier theodolite, Prismatic Compass, lynx micro optic one second, lynx clinometer, kp-90	22 Hrs/Week	Mr. Anil Deoram Mali	Lab Assistant	Diploma Civil
3	Geotech. Laboratory	20	Shrinkage limit kit, Permeability test apparatus, Sieve Shaker apparatus, Plate Load Test Kit etc	24 Hrs/Week	Mr. Prafulla Dilip Lohar	Lab Assistant	Diploma Civil
4	Fluid Mechanics Laboratory	20	Open Circuit Wind Tunnel, Hydraulic flume	24 Hrs/Week	Mr. Chandrakant Balu C	Lab Assistant	Diploma Mechanical
5	Environmental Engineering Laboratory	20	UV Photospectrometer, pH meter, Turbidity meter, COD Digester, Bod incubator, Oven, etc	24 Hrs/Week	Mr. Chandrakant Balu C	Lab Assistant	Diploma Mechanical
6	Model Laboratory	20	Plate Girder Bridge, Road Suspension Bridge, Types of Foundation, Types of Piles Foundation,	24 Hrs/Week	Mr. Anil Deoram Mali	Lab Assistant	Diploma Civil

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures

1	Concrete Technology Laboratory	A. Basic safety measures: Do's and Don'ts, SOP. B. Lab-specific safety measures: First-aid box, CCTV Surveillance, Fire safety and Electrical Safety.
2	Surveying & Testing of Materials Laboratory	A. Basic safety measures: Do's and Don'ts, SOP. B. Lab-specific safety measures: First-aid box, CCTV Surveillance, Fire safety and Electrical Safety.
3	Geotech. Laboratory	A. Basic safety measures: Do's and Don'ts, SOP. B. Lab-specific safety measures: First-aid box, CCTV Surveillance, Fire safety and Electrical Safety.
4	Fluid Mechanics Laboratory	A. Basic safety measures: Do's and Don'ts, SOP. B. Lab-specific safety measures: First-aid box, CCTV Surveillance, Fire safety and Electrical Safety.
5	Environmental Engineering Laboratory	A. Basic safety measures: Do's and Don'ts, SOP. B. Lab-specific safety measures: First-aid box, CCTV Surveillance, Fire safety and Electrical Safety.
6	Model Laboratory	A. Basic safety measures: Do's and Don'ts, SOP. 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, SOP. B. Lab-specific safety measures: First-aid box, CCTV Surveillance, Fire safety and Electrical Safety.
8	Centre of Excellence (Computer Center and Language Lab)	A. Basic safety measures: Do's and Don'ts, SOP. B. Lab-specific safety measures: First-aid box, CCTV Surveillance, Fire safety and Electrical Safety.

D3. Project Laboratory/Research Laboratory

To promote project-based learning, research activities, and innovation, the Civil Engineering Department has developed dedicated facilities such as the Project Laboratory, Research Laboratory, and Centre of Excellence. These facilities provide students with the required environment for design, experimentation, simulation, testing, and advanced technical work. They help in enhancing analytical skills, technical knowledge, and industry readiness of students. The details of these facilities are presented in Table 7.5.1.

Table No. 7.5.1: List of project laboratory/research laboratory /Centre of Excellence

S.N.	Name of the Laboratory
1.	<p>Project Laboratory: (Civil Engineering)</p> <p>The department has well-established A dedicated Project Laboratory has been established in the Civil Engineering Department to support undergraduate projects, research and innovation activities, Centre of Excellence initiatives, and start up or ESDP-based projects, providing integrated hardware and software facilities aligned with Outcome-Based Education (OBE), including essential structural, geotechnical, environmental, and surveying equipment.</p> <p>The Construction Materials and Structural Testing section includes a Compression Testing Machine (CTM), Universal Testing Machine (UTM), concrete mixer, slump test apparatus, rebound hammer, Ultrasonic Pulse Velocity (UPV) equipment, and cube, cylinder, and beam moulds.</p> <p>The Project Laboratory includes environmental engineering hardware such as BOD and COD analyser's, jar test apparatus, pH, turbidity, TDS and DO meters, wastewater treatment pilot models, and photo-reactor setups; surveying and geospatial equipment such as total station, auto level, digital level, and GPS/GNSS instruments; along with essential software facilities for analysis and design work.</p> <p>The Project Laboratory is equipped with surveying and geospatial instruments such as Total Station, Auto Level, Digital Level, GPS/GNSS equipment, along with essential software facilities to support analysis, design, and project work.</p> <p>The Project Laboratory is equipped with Structural Analysis and Design software such as STAAD. Pro, ETABS, AutoCAD, and Concrete Mix Design applications.</p> <p>Utilization</p> <p>The Project Laboratory is utilized by students to carry out material testing, structural analysis and design, soil investigation, water quality analysis, surveying practices, and complete project work using modern equipment and software, thereby improving practical knowledge, technical skills, and industry readiness.</p> <p>Relevance to POs/PSOs: PO4,PO5,PSO1,PSO2</p>

2.

Centre of Excellence

Centre of Excellence

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.

The Centre is supported with modern infrastructure, updated hardware platforms, and required software tools to work in emerging and interdisciplinary domains. It also facilitates interaction and collaboration with industry professionals, research organizations, and alumni for knowledge sharing and technical guidance.

The Institute has established a Centre of Excellence to promote advanced learning, innovation, and skill development. It includes specialized facilities such as the Drone Lab, Robotics Lab, and Language Lab. The Centre is supported with modern equipment, required software tools, and infrastructure to work in emerging and interdisciplinary technologies. It also encourages collaboration with industry experts, research organizations, and alumni.

The Centre of Excellence integrates the CodeChef Learning Platform 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.

Beyond problem-solving, the platform emphasizes hands-on project development using modern technologies such as MERN (MongoDB, Express.js, React, 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.

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.

The Centre is supported with modern infrastructure, updated hardware platforms, and required software tools to work in emerging and interdisciplinary domains. It also facilitates interaction and collaboration with industry professionals, research organizations, and alumni for knowledge sharing and technical guidance.

The Centre of Excellence for Foreign Languages to improve students' communication and professional skills. The Language Lab 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.

Utilization

The Centre of Excellence is actively utilized for student projects, faculty research, workshops, certification programs, internships, and technical training activities. It provides opportunities for students to work on real-time problems, develop prototypes, and enhance practical skills.

Infrastructure Built-Up	56185000	40031473.43	15500000	14184657.2	19500000	17957708.4	26600000	25803609
Library	3010000	2144543.22	390000	365810	475000	428611	600000	562977
Laboratory equipment	19313000	13760818.99	18000000	16334781.7	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	63735562.1	76400000	70692693.32
Entrepreneurship	1693000	1206305.56	150000	139055	175000	168410	142000	133549
Others, specify	16584000	4691188	15000000	720000	7000000	2705775.52	4000000	4092368
Total	375423000	265387223.11	379400000	356143592.6	352800000	335917998.66	133920000	126973714.36

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	1359200.26	968451.75	1372827.24	1245824.07	360697.58	337290.06	206341.56	197417.81
Software	175943.70	164318.18	26693.86	26378.42	450871.97	419305.08	508230.45	415973.21
SDGs	4598182.98	3207210.35	4728627.17	4493799.63	6312207.57	5747315.68	7765761.32	7185635.91
Support for faculty development	35188.74	33781.19	61014.54	54913.09	72139.52	64925.56	50823.05	48790.12
R & D	185374.28	132061.60	19829.73	16833.91	18034.88	17202.12	4472.43	4209.92
Industrial Training, Industry expert, Internship	635508.64	452782.64	572011.35	544738.61	649255.64	616706.58	328316.87	308555.45
Miscellaneous Expenses*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	6989398.60	4958605.71	6781003.89	6382487.73	7863207.16	7202745.08	8863945.68	8160582.42