

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 : 2
Application No : 11993	Date of Submission : 01-07-2026

PART A- Profile of the Institute

A1.Name of the Institute : YASHODA TECHNICAL CAMPUS, SATARA	
Year of Establishment : 2011	Location of the Institute: S NO 242 NH4 WADHE PHATA SATARA
A2. Institute Address :S. NO. 242, NH-4 WADHE PHATE SATARA	
City:Satara	State:Maharashtra
Pin Code:415015	Website:www.yes.edu.in
Email:registrar_ytc@yes.edu.in	Phone No(with STD Code):02162-271238
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: 402104
A4. Type of the Institution : Self-Supported Institute	
A5. Ownership Status : Self financing	

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

- No. of UG programs: **9**
- No. of PG programs: **4**

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 in Computer Applications	2011	--	Computer Application
2	Engineering & Technology	Diploma	Artificial intelligence (AI) and Machine Learning	2023	--	Artificial Intelligence and Machine Learning
3	Engineering & Technology	UG	Artificial Intelligence and Data Science	2022	--	Artificial Intelligence and Data Science
4	Engineering & Technology	UG	Civil Engineering	2011	--	Civil Engineering
5	Engineering & Technology	Diploma	Civil Engineering	2013	--	Civil Engineering
6	Engineering & Technology	Diploma	Computer Engineering	2022	--	Computer Engineering
7	Engineering & Technology	PG	Computer Science and Engineering	2024	--	Computer Science and Engineering
8	Engineering & Technology	UG	Computer Science and Engineering	2011	--	Computer Science and Engineering
9	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2024	--	Computer Science and Engineering
10	Engineering & Technology	UG	Electrical Engineering	2011	--	Electrical Engineering
11	Engineering & Technology	Diploma	Electrical Engineering	2014	--	Electrical Engineering

12	Engineering & Technology	Diploma	Electronics and Telecommunication Engineering	2025	--	Electronics and Telecommunication Engineering
13	Engineering & Technology	UG	Electronics and Telecommunication Engineering	2011	--	Electronics and Telecommunication Engineering
14	Engineering & Technology	Diploma	Information Technology	2023	2025	Information Technology
15	Engineering & Technology	Diploma	Mechanical Engineering	2013	--	Mechanical Engineering
16	Engineering & Technology	UG	Mechanical Engineering	2011	--	Mechanical Engineering
17	Engineering & Technology	PG	Mechanical Engineering	2017	--	Mechanical Engineering
18	Engineering & Technology	UG	Mechatronics Engineering	2024	--	Mechatronics Engineering
19	Engineering & Technology	UG	Robotics and Artificial Intelligence	2024	--	Robotics and Artificial Intelligence
20	Management	PG	Master of Business Administration	2011	--	Management

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Civil Engineering	No	Civil Engineering	UG
Electronics and Telecommunication Engineering	No	Electronics and Telecommunication Engineering	UG
Mechanical Engineering	No	Mechanical Engineering	UG

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

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

No Record

PART-B: Program information

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

Table No. B1: Program details.

A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Civil Engineering	UG	2011 / --	60	Yes	2021	30	2021	F.No. Western/1-9322207577/2021/EOA	Not accredited (specify visit dates, year)	07/03/2025	09/03/2025	0	4

Sanctioned Intake for Last Five Years for the Civil Engineering

Academic Year	Sanctioned Intake
2025-26	30
2024-25	30
2023-24	30
2022-23	30
2021-22	60
2020-21	30

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. Zende Abhijit Mohanrao
B. Nature of appointment:	Regular
C. Qualification:	M.E. 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)	30	30	30	30	60	30	30
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	28	19	3	6	8	8	4
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	14	12	9	19	27	30
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	1	0	2	3	2	1	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	29	33	17	18	29	36	34

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)	30	28	1	96.67
2024-25 (CAYm1)	30	19	0	63.33
2023-24 (CAYm2)	30	3	2	16.67

Average [(ER1 + ER2 + ER3) / 3] = 58.89≅ 8.00

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).	66.00	36.00	34.00
B=No. of students who graduated from the program in the stipulated course duration	16.00	5.00	7.00
Success Rate (SR)= (B/A) * 100	24.24	13.89	20.59

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 19.57

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

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

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
X=(Mean of 1st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10)	6.60	5.21	6.77
Y=Total no. of successful students	10.00	4.00	7.00
Z=Total no. of students appeared in the examination	18.00	5.00	9.00
API [X*(Y/Z)]	3.67	4.17	5.27

Average API [(AP1+AP2+AP3)/3] : 4.37

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 2nd year/10)	6.03	0.00	6.17
Y=Total no. of successful students	5.00	12.00	18.00
Z=Total no. of students appeared in the examination	16.00	16.00	26.00
API [X * (Y/Z)]	1.88	0.00	4.27

Average API [(AP1 + AP2 + AP3)/3] : 2.05

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)	6.41	7.03	6.71
Y=Total no. of successful students	12.00	16.00	17.00
Z=Total no. of students appeared in the examination	12.00	18.00	25.00
API [X*(Y/Z)]:	6.41	6.25	4.56

Average API [(AP1 + AP2 + AP3)/3] : 5.74

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	36.00	34.00
X=No. of students placed	13.00	11.00	22.00
Y=No. of students admitted to higher studies	1.00	0.00	0.00
Z= No. of students taking up entrepreneurship	1.00	5.00	5.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	22.73	44.44	79.41

Average Placement Index = (P_1 + P_2 + P_3)/3: 48.86 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. Zende Abhijit Mohanrao	XXXXXXXX90Q	M.E. and Ph.D.	IIT, Mumbai	Natural Resources & Geoinformatics	11/08/2023	2.10	Associate Professor	Associate Professor	11/08/2023	Regular	Yes		Yes
2	Mr. Borate Prashant Gajanan	XXXXXXXX10C	M.Tech	SRTMU, Nanded	Water Management	01/06/2015	11	Assistant Professor	Assistant Professor		Regular	Yes		No
3	Mr. Shah Ajinkya Subhash	XXXXXXXX11D	M.E.	SPPU ,Pune	Structural Engineering	01/01/2018	8.5	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Mr. Shaikh Alfaj Najir	XXXXXXXX76A	M.E.	SPPU, Pune	Construction & Management	03/02/2020	6.4	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Mrs. Pawar Vijaya Pralhad	XXXXXXXX22G	M.E.	SPPU, Pune	Construction & Management	01/07/2017	8.11	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mr. Patil Chandrahas Bhimrao	XXXXXXXX10L	M.Tech	Shivaji University, Kolhapur	Structural Engineering	03/07/2023	2.11	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mr. Kashyap Vaibhav Bhagwan	XXXXXXXX73Q	M.Tech	Shivaji University, Kolhapur	Environmental Engineering	03/07/2023	2.11	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mrs. Sawant Priyanka Prafull	XXXXXXXX34G	M.E.	SPPU, Pune	Construction & Management	01/07/2023	2.11	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Ms. Salve Ashwini Vinod	XXXXXXXX25N	M.Tech	Nagpur University, Nagpur	Structural Engineering	01/08/2023	2.10	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Ms. Khalate Riya Prashant	XXXXXXXX03G	M.E.	SPPU, Pune	Construction & Management	01/08/2024	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mrs. Jadhav Sayali Sachin	XXXXXXXX32F	M.E.	Shivaji University	Structural Engineering	01/07/2017	7.1	Assistant Professor	Assistant Professor		Regular	No	10/08/2024	No
12	Dr. kakade Shubhangi Arun	XXXXXXXX63E	M.E. and Ph.D.	Shri Jagdishprasad Jhabarmal Tibrewala University	Structural Engineering	03/06/2024	1	Assistant Professor	Assistant Professor		Regular	No	06/06/2025	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	33	33	33
UG1.C	33	33	66
UG1.D	33	66	33
UG1: Civil Engineering	99	132	132
DS=Total no. of students in all UG and PG programs in the Department	99	132	132
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= 99	S2= 132	S3= 132
DF=Total no. of faculty members in the Department	10	11	10
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= 10	F2= 11	F3= 10
FF=The faculty members in F who have a 100% teaching load in the first-year courses	4	4	3
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 16.50	SFR2= 18.86	SFR3= 18.86
Average SFR for 3 years	SFR= 18.07		

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)	1	9	4.00	28.75
2024-25(CAYm1)	2	9	6.00	23.33
2023-24(CAYm2)	1	9	6.00	19.17

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = $1/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents.}$
- RF2= No. of Associate Professors required = $2/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- RF3= No. of Assistant Professors required = $6/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- 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	0.00	1.00	1.00	3.00	9.00
2024-25	1.00	0.00	1.00	1.00	4.00	10.00
2023-24	1.00	0.00	1.00	1.00	4.00	9.00
Average	RF1=1.00	AF1=0.00	RF2=1.00	AF2=1.00	RF2=3.67	AF2=9.33

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. Achal Mali	Cheif Executive Officer	Malee House Satara	Advanced Surveying	60.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Suraj Duduskar	Cheif Executive Officer	Ajinkyatara Construction, Satara	Recent trends in Structural Analysis	65.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Suraj Pawar	Cheif Executive Officer	Unique Design, Satara	Managing Tools in AutoCAD Project	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	4	5	2
2	No. of peer reviewed conference papers published	3	0	3
3	No. of books/book chapters published	0	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
NIL	NIL	NIL	NIL	NIL	NIL	0.00
						Amount received (Rs.):0.00

(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
NIL	NIL	NIL	NIL	NIL	NIL	0.00
						Amount received (Rs.):0.00

(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
NIL	NIL	NIL	NIL	NIL	NIL	0.00
						Amount received (Rs.):0.00

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)

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
Mr. P.G. Borate	Mr. A.N. Shaikh	Civil Engineering	Soil Investigation	Samruddhi Constructions Satara	15	0.08
Mr. A.N. Shaikh	Mr. P.G. Borate	Civil Engineering	Mix Design and Material Testing	Ganesh Developers Satara	31	0.57
Mr. A.S. Shah	Mr. C. B. Patil	Civil Engineering	Structural Audit	Samruddhi Constructions Satara	12	1.12
Dr. A. M. Zende	Mr. A.S. Shah	Civil Engineering	Structural Audit	Aakruti Construction, Koregaon	15	0.82
Mr. A.N. Shaikh	Mr. C. B. Patil	Civil Engineering	Mix Design and Material Testing	Swastik Construction	07	0.54
Dr. A. M. Zende	Mr. A.N. Shaikh	Civil Engineering	Structural Audit	New English School, Nune (Patan)	11	1.05
Mr. A.S. Shah	Mr. C. B. Patil	Civil Engineering	Structural Audit	Loknete Subarao Kadam Jr. College of Arts, Comm. And Science, Satara	15	1.16
Mr. A.N. Shaikh	Mr. P.G. Borate	Civil Engineering	Mix Design and Material Testing	Samruddhi Constructions Satara	32	0.48
Mr. A.N. Shaikh	Mrs. V.P. Pawar	Civil Engineering	Material Testing	Monika Construction, Satara	10	0.12
Dr. A. M. Zende	Mr. C. B. Patil	Civil Engineering	Structural Audit	Ganesh Developers Satara	08	0.58
						Amount received (Rs.):6.52

(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. A. M. Zende	Mr. A.S. Shah	Civil Engineering	Structural Audit	Sadhana English Medium School, Satara	10	0.95
Mr. A.N. Shaikh	Mrs. V.P. Pawar	Civil Engineering	Material Testing	Samruddhi Constructions Satara	16	0.09
Dr. A. M. Zende	Mr. C. B. Patil	Civil Engineering	Structural Audit	Swastik Construction	15	0.67
Mr. A.N. Shaikh	Mr. P.G. Borate	Civil Engineering	Mix Design and Material Testing	Aakruti Construction, Koregaon	35	0.46
Mr. A.N. Shaikh	Mr. C. B. Patil	Civil Engineering	Mix Design and Material Testing	Ganesh Developers Satara	34	0.40
Mr. P.G. Borate	Mr. A.N. Shaikh	Civil Engineering	Soil Investigation	Samruddhi Constructions Satara	12	0.09
						Amount received (Rs.):2.66

(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
NIL	NIL	NIL	NIL	NIL	NIL	0.00
						Amount received (Rs.):0.00

Total amount (Lacs) received for the past 3 years: 9.18

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. Abhijit M Zende	Drought Investigation of Rainfall for Crop Planning	11 months	1.25	1.14	Scopus Publication
Dr. Shubhangi A. Kakade	High Performance Computing for Large Scale Civil Engineering Simulations	10 months	0.95	0.91	Scopus Publication
Dr. Shubhangi A. Kakade	Artificially Intelligent Strength of Tertiary Cement Concrete	11 months	0.80	0.72	Scopus Publication
			Amount received (Rs.): 3.00		

(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
Mr. Shah Ajinkya S.	Smog eating M30 grade of concrete block	11 Months	0.70	0.58	Paper Published
Mr. Borate Prashant G.	Analysis and Design of Root Zone Technology Reactor	10 Months	0.75	0.65	Paper Published And Public Awareness
Mrs. Jadhav Sayali S.	Public Perception and Acceptance Analysis of Oobleck Speed Breaker	11 Months	0.95	0.75	Paper Published And Public Awareness
			Amount received (Rs.): 2.40		

(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
Mr. Shah A.S.	Footstep Powered Energy Generation Device	10 Months	0.62	0.56	Patent Filed and Published
			Amount received (Rs.): 0.62		

Total amount (Lacs) received for the past 3 years : 6.02

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	Solid Mechanics	18	Universal Testing Machine, Hardness Testing Machine ,Impact testing Machine, Torsion Testing Machine	8 hrs +Project 1	Mr. Rushikesh Babar	Lab Technician	DCE
2	Geotechnical Engineering lab	18	Sieve Shaker machine ,Liquid Limit Device ,Core Cutter ,Permeability Head Standard Procter ,Density Equipment	6 hrs	Mr. Rushikesh Babar	Lab Technician	DCE
3	Transportation Engg. Lab	18	Aggregate Impact Equipment ,Abrasion Test apparatus,Ductility Test apparatus ,Flash & Fire point apparatus	6 hrs	Ms. Durga Sunil Sawant	Lab Technician	B Tech
4	Hydraulics Lab	18	Bournoli's Apparatus ,Venturi-meter flume ,Minor losses apparatus ,V-notch apparatus, Pressure measuring device	6 hrs	Ms. Durga Sunil Sawant	Lab Technician	B Tech
5	Environmental Engineering Lab	18	Digital pH meter ,BOD Incubator ,Jar Test Apparatus ,UV-Visible Spectrophotometer ,Multiparameter Water Quality Analyzer	6 hrs	Mr. Rushikesh Babar	Lab Technician	DCE
6	Concrete Technology Lab	18	Compression Testing Machine , Vibrating Table ,Slump Cone Test ,Vicat's Apparatus	6 hrs	Mr. Rushikesh Babar	Lab Technician	DCE
7	AutoCAD Lab	18	Autodesk Auto CAD ,QGIS ,Autodesk Revit , EPANET	7 hrs	Ms. Durga Sunil Sawant	Lab Technician	B Tech

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Environmental Engineering Lab	• Do's and Don'ts Chart: Comprehensive information is provided in each lab, outlining precautionary measures and best practices for safe operation. • Standard Operating Procedures (SOPs): Each equipment has a clearly displayed SOP to guide users on proper operation and safety precautions. • Fire Safety Measures: • Fire Extinguisher: - Type: ABC (Multipurpose) - Capacity: 6 kg - Agent: Dry Chemical Powder • First Aid Kit: Equipped with antiseptic wipes, bandages, gauze, adhesive tape, antiseptic solution, burn cream, and cotton wool for immediate medical assistance • Display of Important Instructions: Essential operational guidelines are prominently placed to ensure safe handling of equipment and lab activities.

2	Geotechnical Engineering Lab	• Do's and Don'ts Chart: Comprehensive information is provided in each lab, outlining precautionary measures and best practices for safe operation. • Standard Operating Procedures (SOPs): Each equipment has a clearly displayed SOP to guide users on proper operation and safety precautions. • Fire Safety Measures: • Fire Extinguisher: - Type: ABC (Multipurpose) - Capacity: 6 kg - Agent: Dry Chemical Powder • First Aid Kit: Equipped with antiseptic wipes, bandages, gauze, adhesive tape, antiseptic solution, burn cream, and cotton wool for immediate medical assistance • Display of Important Instructions: Essential operational guidelines are prominently placed to ensure safe handling of equipment and lab activities.
3	Solid Mechanics Lab	• Do's and Don'ts Chart: Comprehensive information is provided in each lab, outlining precautionary measures and best practices for safe operation. • Standard Operating Procedures (SOPs): Each equipment has a clearly displayed SOP to guide users on proper operation and safety precautions. • Fire Safety Measures: • Fire Extinguisher: - Type: ABC (Multipurpose) - Capacity: 6 kg - Agent: Dry Chemical Powder • First Aid Kit: Equipped with antiseptic wipes, bandages, gauze, adhesive tape, antiseptic solution, burn cream, and cotton wool for immediate medical assistance • Display of Important Instructions: Essential operational guidelines are prominently placed to ensure safe handling of equipment and lab activities.
4	Hydraulics Laboratory	• Do's and Don'ts Chart: Comprehensive information is provided in each lab, outlining precautionary measures and best practices for safe operation. • Standard Operating Procedures (SOPs): Each equipment has a clearly displayed SOP to guide users on proper operation and safety precautions. • Fire Safety Measures: • Fire Extinguisher: - Type: ABC (Multipurpose) - Capacity: 6 kg - Agent: Dry Chemical Powder • First Aid Kit: Equipped with antiseptic wipes, bandages, gauze, adhesive tape, antiseptic solution, burn cream, and cotton wool for immediate medical assistance • Display of Important Instructions: Essential operational guidelines are prominently placed to ensure safe handling of equipment and lab activities.
5	Transportation Engineering Lab	• Do's and Don'ts Chart: Comprehensive information is provided in each lab, outlining precautionary measures and best practices for safe operation. • Standard Operating Procedures (SOPs): Each equipment has a clearly displayed SOP to guide users on proper operation and safety precautions. • Fire Safety Measures: • Fire Extinguisher: - Type: ABC (Multipurpose) - Capacity: 6 kg - Agent: Dry Chemical Powder • First Aid Kit: Equipped with antiseptic wipes, bandages, gauze, adhesive tape, antiseptic solution, burn cream, and cotton wool for immediate medical assistance • Display of Important Instructions: Essential operational guidelines are prominently placed to ensure safe handling of equipment and lab activities.
6	AutoCAD Lab	• Do's and Don'ts Chart: Comprehensive information is provided in each lab, outlining precautionary measures and best practices for safe operation. • Standard Operating Procedures (SOPs): Each equipment has a clearly displayed SOP to guide users on proper operation and safety precautions. • Display of Important Instructions: Essential operational guidelines are prominently placed to ensure safe handling of equipment and lab activities.
7	Concrete Technology Lab	• Do's and Don'ts Chart: Comprehensive information is provided in each lab, outlining precautionary measures and best practices for safe operation. • Standard Operating Procedures (SOPs): Each equipment has a clearly displayed SOP to guide users on proper operation and safety precautions. • Fire Safety Measures: • Fire Extinguisher: - Type: ABC (Multipurpose) - Capacity: 6 kg - Agent: Dry Chemical Powder • First Aid Kit: Equipped with antiseptic wipes, bandages, gauze, adhesive tape, antiseptic solution, burn cream, and cotton wool for immediate medical assistance • Display of Important Instructions: Essential operational guidelines are prominently placed to ensure safe handling of equipment and lab activities.
8	Project and Innovation Lab	• Do's and Don'ts Chart: Comprehensive information is provided in each lab, outlining precautionary measures and best practices for safe operation. • Standard Operating Procedures (SOPs): Each equipment has a clearly displayed SOP to guide users on proper operation and safety precautions.

D3. Project Laboratory/Research Laboratory

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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= $\frac{\text{No. of faculty members} \times ((\text{NS1} \times 0.8) + (\text{NS2} \times 0.2))}{(\text{No. of required faculty (RF4)})}$; Percentage= $\frac{((\text{NS1} \times 0.8) + (\text{NS2} \times 0.2))}{\text{RF}}$
2023-24(CAYm2)	360	18	13	10	69

2024-25(CAYm1)	630	32	22	18	66
2025-26(CAY)	720	36	26	14	66

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	30000000	26042957	6000000	5508853	2000000	1663226	9000000	8783711
Library	2000000	1570577	4000000	3507644	4625000	4380718	2400000	1926275
Laboratory equipment	55000000	50830475	12000000	10058901.3	20500000	19353131	21000000	19241282
Teaching and non-teaching staff salary	180000000	171094843	120000000	113450135	72500000	71594729	60000000	56965519
Outreach Programs	1500000	1347107	15000	10363	0	0	0	0
R&D	2000000	1895080	1300000	1091590	200000	0	0	0
Training, Placement and Industry linkage	4000000	3584809	2500000	2007776	800000	667404	500000	423800
SDGs	4075000	3810692	2205000	1891082	590000	369300.8	455000	161785
Entrepreneurship	1925000	1809603	1120000	964428.9	210000	198854.3	245000	87115
Others, specify	67350000	56751142.14	38035000	34023171.92	34140000	29978245.86	16805000	15340412.67
Total	347850000	318737285.14	187175000	172513945.12	135565000	128205608.96	110405000	102929899.67

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	3300000.00	2670420.00	1200000.00	1005890.13	3000000.00	1442005.00	1750000.00	1220500.00
Software	30000.00	28290.00	180000.00	50000.00	25000.00	19500.00	0.00	0.00
SDGs	250000.00	230951.03	220500.00	189108.20	85000.00	52757.26	100000.00	28890.18
Support for faculty development	230000.00	225548.00	240000.00	233839.00	200000.00	198227.00	100000.00	93810.00
R & D	125000.00	114853.33	130000.00	109159.00	30000.00	5000.00	0.00	0.00

Industrial Training, Industry expert, Internship	250000.00	217261.15	250000.00	200777.60	115000.00	95343.43	100000.00	75678.57
Miscellaneous Expenses*	19285000.00	15730087.71	16669000.00	15507620.58	16805000.00	15204026.30	16025000.00	14746017.26
Total	23470000.00	19217411.22	18889500.00	17296394.51	20260000.00	17016858.99	18075000.00	16164896.01