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: 10717	**Date of Submission**: 12-06-2025

PART A- Profile of the Institute

A1.Name of the Institute: Sanjivani Rural Educational Society's Sanjivani College of Engineering	
Year of Establishment : 1983/1994	Location of the Institute: Sanjivani College Road, opposite Sanjivani Factory, near P.O. Shingnapur
A2. Institute Address:POST:-SHINGNAPUR KOPARGAON DIST:-AHMEDNAGAR	
City:KOPARGAON	State:Maharashtra
Pin Code:423603	Website:www.sanjivanicoe.org.in
Email:PRINCIPAL@SANJIVANICOE.ORG.IN	Phone No(with STD Code):-
A3. Name and Address of the Affiliating University (if any):	
Name of the University :	City: Pune
State : Maharashtra	Pin Code: 411007
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: **8**
- No. of PG programs: **6**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Civil Engineering	1983	--	Civil Engineering
2	Engineering & Technology	UG	Computer Engineering	1990	--	Computer Engineering
3	Engineering & Technology	PG	Computer Engineering	2011	--	Computer Engineering
4	Engineering & Technology	PG	Cyber Security	2021	--	Information Technology
5	Engineering & Technology	PG	Digital Systems	2011	--	Electronics and Telecommunication Engineering
6	Engineering & Technology	UG	Electrical Engineering	2017	--	Electrical Engineering
7	Engineering & Technology	UG	Electronics & Computer Engineering	2020	--	Electronics and Computer Engineering
8	Engineering & Technology	UG	Information Technology	2001	--	Information Technology
9	Engineering & Technology	PG	Machine Design	2004	--	Mechanical Engineering
10	Engineering & Technology	UG	Mechanical Engineering	1983	--	Mechanical Engineering
11	Engineering & Technology	UG	Mechatronics Engineering	2020	--	Mechatronics Engineering

12	Engineering & Technology	UG	Structural Engineering	2020	--	Structural Engineering
13	Engineering & Technology	PG	Structural Engineering	2020	--	Structural Engineering
14	Management	PG	Master of Business Administration	2010	--	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
Mechanical Engineering	No	Mechanical Engineering	UG
Information Technology	No	Information Technology	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	1983 / --	60	Yes	2020	120	2020	F.No.Western/1-7002298062/2020/EOA	Granted accreditation for 3 years for the period (specify period)	2022	2025	3	4

Sanctioned Intake for Last Five Years for the Civil Engineering	
Academic Year	**Sanctioned Intake**
2024-25	120
2023-24	120
2022-23	120
2021-22	120
2020-21	120
2019-20	180

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. A. S. Sayyad

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)	2024-25 (CAY)	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)	2020-21 (CAYm4)	2019-20 (CAYm5)	2018-19 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	120	120	120	120	120	180	120
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	120	116	110	39	70	156	107
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	33	33	68	72	69	37
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	11	17	15	11	12	9	6
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	131	166	158	118	154	234	150

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]
2024-25 (CAY)	120	11	0	109.17
2023-24 (CAYm1)	120	17	0	110.83
2022-23 (CAYm2)	120	15	0	104.17

Average [(ER1 + ER2 + ER3) / 3] = 108.06≡ 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	(2020-21) LYG	(2019-20) LYGm1	(2018-19) 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).	192.00	249.00	157.00
B=No. of students who graduated from the program in the stipulated course duration	135.00	215.00	103.00
Success Rate (SR)= (B/A) * 100	70.31	86.35	65.61

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 74.09

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(2023-24)	CAYm2(2022-23)	CAYm3 (2021-22)
Mean of CGPA or mean percentage of all successful students(X)	6.96	6.69	6.68
Y=Total no. of successful students	127.00	117.00	40.00
Z=Total no. of students appeared in the examination	133.00	125.00	50.00
API [X*(Y/Z)]	6.65	6.26	5.34

Average API[(AP1+AP2+AP3)/3] : 6.08

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
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)	6.74	6.68	7.46
Y=Total no. of successful students	139.00	104.00	140.00
Z=Total no. of students appeared in the examination	150.00	108.00	154.00
API [X * (Y/Z)]	6.25	6.43	6.78

Average API [(AP1 + AP2 + AP3)/3] : 6.49

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
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)	6.95	7.18	7.32
Y=Total no. of successful students	90.00	136.00	216.00
Z=Total no. of students appeared in the examination	104.00	140.00	220.00
API [X*(Y/Z)]:	6.02	6.97	7.19

Average API [(AP1 + AP2 + AP3)/3] : 6.73

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2020-21)	LYGm1(2019-20)	LYGm2(2018-19)
FS*=Total no. of final year students	192.00	249.00	157.00
X=No. of students placed	60.00	120.00	63.00
Y=No. of students admitted to higher studies	5.00	9.00	5.00
Z= No. of students taking up entrepreneurship	3.00	7.00	2.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	35.42	54.62	44.59

Average Placement Index = (P_1 + P_2 + P_3)/3: 44.88 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. A. S. Sayyad	XXXXXXX96D	Ph.D	Dr. BAMU	Structural Engineering	01/07/2009	15.11	Lecturer	Professor	01/12/2015	Regular	Yes		Yes
2	Dr. S. M. Ghumare	XXXXXXX95Q	Ph.D	SPPU Pune	Structural Engineering	08/08/2002	22.9	Lecturer	Associate Professor	12/05/2022	Regular	Yes		No
3	Dr. A. V. Deshpande	XXXXXXX26H	Ph.D	KBC NMU Jalgaon	Engineering Geology	24/08/2009	15.9	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Mr. D. D. More	XXXXXXX55J	M.E.	SPPU Pune	Structural Engineering	15/02/2010	15.3	Lecturer	Assistant Professor		Regular	Yes		No
5	Dr. S. R. Korake	XXXXXXX02Q	Ph.D	SPPU Pune	Environmental Engineering	10/07/2010	14.10	Lecturer	Assistant Professor		Regular	Yes		No
6	Mr. S. R. Nawale	XXXXXXX38E	M.E.	SPPU Pune	Structural Engineering	12/06/2012	12.11	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Dr. V. M. Mahajan	XXXXXXX35G	Ph.D	Oriental University Indore	Structural Engineering	04/01/2013	12.4	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Dr. D. N. Paithankar	XXXXXXX57Q	Ph.D	Oriental University Indore	Environmental Engineering	16/03/2009	16.2	Lecturer	Assistant Professor		Regular	Yes		No
9	Dr. V. S. Chaudhary	XXXXXXX70D	Ph.D	Oriental University Indore	Environmental Engineering	22/08/2009	15.9	Lecturer	Assistant Professor		Regular	Yes		No
10	Dr. V. V. Sasane	XXXXXXX79J	Ph.D	SPPU Pune	Environmental Engineering	02/01/2008	17.4	Lecturer	Assistant Professor		Regular	Yes		No
11	Miss. P. P. Dange	XXXXXXX37H	M.E.	Shivaji University Kolhapur	Construction Management	04/07/2011	13.10	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mr. K. D. Petare	XXXXXXX51E	M.Sc	KBC NMU Jalgaon	Applied Geology	24/12/2013	11.5	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mr. A. V. Ghogare	XXXXXXX81K	M.E.	SPPU Pune	Structural Engineering	20/06/2012	12.11	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mr. A. R. Pabale	XXXXXXX95C	M.E.	SPPU Pune	Structural Engineering	23/12/2015	9.5	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Mr. R. V. Kolhe	XXXXXXX81A	M.Tech	Shivaji University Kolhapur	Construction Management	20/06/2016	8.11	Assistant Professor	Assistant Professor		Regular	Yes		No

16	Mr. A. R. Gaikwad	XXXXXXX52L	M.E.	SPPU Pune	Environmental Engineering	03/10/2022	2.7	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Dr. V. Sairam	XXXXXXX75E	Ph.D	IIT Delhi	Structural Engineering	04/07/2022	2.10	Associate Professor	Associate Professor		Regular	Yes		No
18	Mr. N. B. Aher	XXXXXXX62G	M.E.	SPPU Pune	Environmental Engineering	13/06/2022	2.11	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Dr. C. L. Jejurkar	XXXXXXX22E	Ph.D	SRTMU Nanded	Water Resources Engineering	02/12/1996	28.6	Lecturer	Professor	02/01/2017	Regular	Yes		No
20	Dr. M. V. Jadhav	XXXXXXX59Q	Ph.D	Dr. BATU Lonere Raigad	Environmental Engineering	18/06/2011	13.6	Professor	Professor	18/06/2011	Regular	No	31/12/2024	No
21	Dr. S. V. Patankar	XXXXXXX30B	Ph.D	Dr. BAMU Aurangabad	Structural Engineering	01/12/1995	29.6	Lecturer	Professor	01/08/2016	Regular	Yes		No
22	Mr. S. G. Teggi	XXXXXXX86P	M.Tech	VTU Belgavi	Geotechnical Engineering	03/07/2017	5.11	Assistant Professor	Assistant Professor		Regular	No	30/06/2023	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(2024-25)**	**CAYm1 (2023-24)**	**CAYm2 (2022-23)**
UG1.B	132	132	132
UG1.C	132	132	132
UG1.D	132	132	198
UG1: Civil Engineering	**396**	**396**	**462**
DS=Total no. of students in all UG and PG programs in the Department	396	396	462

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
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=** 396	**S2=** 396	**S3=** 462
DF=Total no. of faculty members in the Department	19	20	20
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=** 19	**F2=** 20	**F3=** 20
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 22.00**	**SFR2= 20.84**	**SFR3= 24.32**
Average SFR for 3 years	**SFR= 22.39**		

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)]
2024-25(CAY)	9	11	19.00	17.63
2023-24(CAYm1)	9	11	19.00	17.63
2022-23(CAYm2)	9	11	23.00	14.57

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = 1/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents:.
- RF2= No. of Associate Professors required = 2/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- RF3= No. of Assistant Professors required = 6/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2024-25	2.00	3.00	4.00	2.00	13.00	14.00
2023-24	2.00	4.00	4.00	2.00	13.00	14.00
2022-23	2.00	4.00	5.00	2.00	15.00	14.00
Average	RF1=2.00	AF1=3.67	RF2=4.33	AF2=2.00	RF2=13.67	AF2=14.00

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Suraj Narkhede Ms. Monika Tirpude	Trainer	Gryphon Academy Pvt. Ltd Pune	Gryphon Placement Preparatory Program	90.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Abhijit Chandra, Mr. V. Kalyan	Trainer	Gryphon Academy Pvt. Ltd Pune	Gryphon Placement Preparatory Program	90.00

(CAYm3)

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)
1	No. of peer reviewed journal papers published	22	28	17
2	No. of peer reviewed conference papers published	5	7	3
3	No. of books/book chapters published	0	1	1

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 V M Mahajan		Civil Engineering	Study of Nitrate polution in Kopargaon taluka and removal of nitrate by using Hallows electrode with elctrocoagulation process	ASPIRE,Savtribhai Phule pune University	2 Years	300000.00
Dr.D.N.Paithankar		Civil Engineering	An approach to coast-effective greywater treatment,utilization ans mangesment	ASPIRE,Savtribhai Phule pune University	2 Years	300000.00
Dr.V.S.Chaudhari	Dr.S.R.Korke	Civil Engineering	Defluoridation of water by using low coast Natural materials	ASPIRE,Savtribhai Phule pune University	2 Years	300000.00
						Amount received (Rs.):900000.00

(CAYm2)

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 900000.00

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. S. V. Patankar		Civil Engineering Department	Quality control	Niranjan Readymix, Nandurkhi Bk, Shirdi.	6 month	57400.00
Dr. S. V. Patankar		Civil Engineering Department	Quality control	B J Samrut Chh. Sambhajinagar	5 month	14500.00
Dr. S. V. Patankar		Civil Engineering Departme	Quality control	Sahaj Construction LLP India Surat	7 month	72500.00
Dr. S. V. Patankar		Civil Engineering Departme	Quality control	Harshwardhan Enterprinses Nashik	6 Months	16000.00
Dr. S. V. Patankar		Civil Engineering Department	Quality control	Trimurti Ready Mix Rahata	1 Month	18200.00
Dr. S. V. Patankar		Civil Engineering Department	Quality control	Vishwanath narayan Shetty Kopargaon	2 Months	16000.00
Dr. S. V. Patankar		Civil Engineering Department	Quality control	R R Rajygiru Surat	2 Months	12500.00
Dr. S. V. Patankar		Civil Engineering Department	Quality control	Shandar Interior Pvt Ltd Pune	1 Month	34500.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	M/s. B. J. Samrut, Aurangabad	6 Month	41300.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	Sahaj Construction India LLP.	1 year	120300.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	M/S. CRG Infratech Pvt. Ltd. Kolhapur	6 month	104430.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	Mr. Sameer G. Varpe	2 month	16520.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	Deputy Engineer, PWD subdivision, Rahata	1 month	24780.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	M/S. Kataria Construction	1 month	23600.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	M/S. B. M. Enterprises, Sangamner,	1 month	21240.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigati	Shailaja Shankar Gaikwad	1 monrh	30680.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	M/S. K. H. Construction	1 Month	10030.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	M/S Gururaj Petroleum, Sanvatsar	1 Month	6490.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	The Vishwatmak Jangali Maharaj Aashram	1 Month	7080.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	Mr. Prasad B. Adhav	1 Month	6490.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	M/s. Raviraj Engineers, Kolhapur	3 Months	17700.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	Shri. Vishwanath N. Shetty	1 Month	11800.00
Dr. S. V. Patankar		Civil Engineering Department	Structural audit and Quality control	Vaishali Babasaheb Nagare, Shirdi	1 month	9000.00
Dr. S. V. Patankar		Civil Engineering Department	Structural audit and Quality control	VKSSS Ltd. Kashti	2 Months	28998.00

Dr. S. V. Patankar		Civil Engineering Department	Civil EngineeriStructural audit and Quality control	Zilla Parishad, Kopargaon	7 Months	29000.00
Dr. S. V. Patankar		Civil Engineering Department	Structural audit and Quality control	KSKSSK Ltd., Kolpewadi	1 Month	6000.00
						Amount received (Rs.):757038.00

(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
Dr S V Patankar		Civil Engineering Department	Quality control	Niranjan Ready Mix, Shirdi	1 Month	10000.00
Dr S V Patankar		Civil Engineering Department	Quality control	Buildfab Structure System, Nashik	1 Month	13000.00
Dr S V Patankar		Civil Engineering Department	Quality Control	Vira Infrastructure Pune	8 Months	9500.00
Dr S V Patankar		Civil Engineering Department	Quality Control	Sai Yash Associates Pune	1 Year	24000.00
Dr S V Patankar		Civil Engineering Department	Quality Control	B J Samrut Pune	1 Month	12700.00
Dr S V Patankar		Civil Engineering Department	Quality Control	B J Samrut Chh. Sambhajinagar	1 Month	15000.00
Dr S V Patankar		Civil Engineering Department	Quality Control	HD Friecon Techno Pvt Ltd Pune	1 Month	19700.00
Dr S V Patankar		Civil Engineering Department	Quality Control	Mengane Petrolium Patoda Yeola	1 Month	25200.00
Dr S V Patankar		Civil Engineering Department	Quality Control	SKCPL Group Meerat UP	1 Month	10000.00
Dr S V Patankar		Civil Engineering Department	Quality Control	Mr Ayush Nitin Bothara Kopargaon	1 Month	14800.00
Dr S V Patankar		Civil Engineering Department	Structural audit and quality control	Shri Ganesh Shikshan Sanstha, Korhale	2 month	32102.00
Dr S V Patankar		Civil Engineering Department	Structural audit and quality control	M/S Pramod Wani Shirdi	1 Month	31000.00
Dr S V Patankar		Civil Engineering Department	Structural audit	Sarpanch Grampanchayat Shahjapur	1 Month	5000.00
Dr S V Patankar		Civil Engineering Department	Structural audit	A.I. Consultants, Shirdi	1 month	19407.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	Nakshtra Construction, Shrirampur	1 month	14750.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	M/S B. J. Samrut, Aurangabad	6 months	67670.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	M/S B. S. Infrastructure	1 month	11800.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	PWD Subdivision Kopargaon	1 month	33040.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	Mr. Rutik Autade, Pohegaon	1 month	9440.00
						Amount received (Rs.):378109.00

(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
Dr S V Patankar		Civil Engineering Department	Quality control	Nyati Engineers and Consultant Pvt Ltd,Pune.	4 Month	101600.00
Dr S V Patankar		Civil Engineering Department	Quality control	Shrim bhanu Construction Pvt Ltd Mumbai	9 Month	100800.00
Dr S V Patankar		Civil Engineering Department	Quality control	R L Bhutada Construction & Contraction Kopargaon	11 Months	23000.00
Dr S V Patankar		Civil Engineering Department	Quality control	S J Kayastha Kopargaon	9 Months	42000.00
Dr S V Patankar		Civil Engineering Department	Quality control	Vighnahar Industrial Development & Infra nashik	1 Month	13015.00
Dr S V Patankar		Civil Engineering Department	Quality control	Sagar Janjanjale Construction Ozar Nashik	1 Month	10200.00
Dr S V Patankar		Civil Engineering Department	Quality control	Niranjan Ready Mix, Shirdi	1 Month	27400.00
Dr S V Patankar		Civil Engineering Department	Quality control	Arun Bhaskar bankar Yeola	1 Month	23070.00
Dr S V Patankar		Civil Engineering Department	Quality control	Nakshtra Construction Comapny Lohegaon	1 Month	21200.00
Dr S V Patankar		Civil Engineering Department	Quality control	Shri Sai Petroleum Suregaon Yeola	5 Months	32200.00
Dr S V Patankar		Civil Engineering Department	Quality control	Buildfab Structure System Nashik	3 Months	37600.00
Dr S V Patankar		Civil Engineering Department	Quality control	AVIS Projects & Infrastructure Pvt Ltd Pune	1 Month	14800.00
Dr S V Patankar		Civil Engineering Department	Quality control	Megha Engineering Balewadi Pune	1 Month	14800.00
Dr S V Patankar		Civil Engineering Department	Quality control	Vira Infrastructure Pune	1 Month	20200.00
Dr S V Patankar		Civil Engineering Department	Structural audit and Quality control	A.I. Consultants, Shirdi	1 Month	7271.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	Nirmiti Associates, Kopargaon	1 Month	8260.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	Ashok Sahakari Sakhar Karkhana, Shrirampur	1 Month	11800.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	M/S Mayur Ekhande Engineers	2 Months	11620.00
Dr. S. R. Korake		Civil Engineering Department	Soil Investigation	Kopargaon Nagarparihsad, Kopargaon	1 Month	9440.00
Dr. S. R. Korake		Civil Engineering Departme	Soil Investigation	Mr. Onkar Kolwade, Matrix Solutions	6 months	28320.00
Dr. S. R. Korake		Civil Engineering Departme	Soil Investigation	Agricultural Product Market Committee, Shrirampur	1 Month	9440.00
						Amount received (Rs.):568036.00

Total amount (Lacs) received for the past 3 years: 1703183.00

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. S. V. Patankar	100 m Road Construction Using Geopolymer Concrete	2 years	476000.00	427930.00	Application of Geopolymer concrete in Road Construction Successfully Implemented.
			Amount received (Rs.): 476000.00		

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years : 476000.00

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	Geotechnical Lab	20	Direct shear test Consolidation apparatus,CBR Test, Triaxial Test Apparatus, Standard Penetration Test. Standard Cone Penetration Test	18 hrs./ week	Mr. G. K. Deshmukh	Lab Assistant	I.T.I
2	Surveying	20	Total Station, Electronic distance meter, Theodolite 1 sec, Auto Level, Tachometer, Mirror stereoscope	22 hrs./ week	Mr. S. M. Shete	Technical Assistant	Diploma in Civil
3	Testing of Materials Laboratory	20	Microprocessor based UTM (Cap- 1000 kN), CTM-(Cap. 2000 kN) Rebound Hammer, Ultra Sonic Concrete Tester, Concrete Permeability test Apparatus	22 hrs./ week	Mr. S. M. Shete	echnical Assistant	Diploma in Civil
4	Transportation Engineering Laboratory	20	Marshal Stability app, Los Angeles app, C.B.R. App.Ductility Apparatus	22 hrs./ week	Mr. G. K. Deshmukh	Lab Assistant	I.T.I
5	CAD laboratory -I	20	PC-i5, 4GB Ram, 500GB HDD- 20 Nos	22 hrs./ week	Mr Adesh Nawle	Lab Assistant	M.Sc in Chemistry
6	Environmental Engineering Laboratory	20	UV double beam Spectrophotometer,, BOD Incubator, COD digester, Digital Flame Photometer, Digital Flocculator, Digital Turbidity meter	22 hrs./ week	Mr Adesh Nawle	Lab Assistant	M.Sc in Chemistry
7	Fluid Mechanics Laboratory	20	Wind Tunnel, Tilting Flume App, Losses in pipes, Reynolds app, Redwood viscometer, Metacentric app, and Venturimeter and Orifice mete	22 hrs./ week	Mr. G. K. Deshmukh	Lab Assistant	I.T.I

8	Engineering Geology Laboratory	20	Petrological Microscope, Electrical Resistivity meter, Lynx polarizing microscope	22 hrs./ week	Mr Adesh Nawle	Lab Assistant	M.Sc in Chemistry
9	Engineering Mechanics Laboratory	20	Polygon law of forces app, Space force app, Reaction of Beams, Analysis of trusses, Surface Friction app	22 hrs./ week	Mr. S. M. Shete	echnical Assistant	Diploma in Civil

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Geo-technical Engineering Lab	First aid kit, fire hydrant with hose pipe, fire Extinguishers
2	Surveying Lab	First aid kit, fire hydrant with hose pipe
3	Testing of Materials Laboratory	First aid kit, fire hydrant with hose pipe, fire Extinguishers
4	Transportation Engineering Laboratory	First aid kit, fire hydrant with hose pipe
5	CAD Laboratory-I	First aid kit, fire hydrant with hose pipe
6	Environmental Engineering Laboratory	First aid kit, fire hydrant with hose pipe, fire Extinguishers
7	Fluid Mechanics Laboratory-	First aid kit, fire hydrant with hose pipe, fire Extinguishers
8	Engineering Geology Laboratory	First aid kit, fire hydrant with hose pipe,

9	Engineering Mechanics Laboratory	First aid kit, fire hydrant with hose pipe

D3. Project Laboratory/Research Laboratory

A. Availability of Project Laboratory

The **Project Laboratory** is extensively utilized by Civil Engineering students not only for conducting regular curriculum-based experiments but also for carrying out **project-oriented and research-based work**. The laboratory provides hands-on exposure to modern instruments and testing procedures, enabling students to correlate theoretical knowledge with practical applications.The Civil Engineering Department has established a Project Laboratory to support students in their academic and extracurricular projects. This lab provides essential resources testing of Material, manufacturing, and testing. It is equipped with the following key Equipment.

Table No. 7.5.1: List of Equipment projects in project laboratory

Sr No.	Name of The Instrument	Utilization
1.	Compression Testing Machine. 2000 KN	Tensile strength of bars, compressive strength of concrete, Mix design of concrete, Tile bending and flexural strength.
2	Universal Testing Machine.(Cap- 40 T)	Testing tensile, compressive, bending, and shear strength of various construction materials (steel, timber, concrete specimens). Used for student projects, design verification, and research.
3	Torsion Testing Machine.(Cap-2000kgf cm)	Determines torsional strength and modulus of rigidity of mild steel, brass, and aluminium rods. Supports mechanics of materials learning and structural behaviour analysis.
4	Tensometer.	For precise measurement of tensile properties, elongation, and strain of steel and other metals. Used in calibration, material characterization, and quality control projects.
5	Ultrasonic Concrete Tester.	Non-destructive testing of concrete quality, uniformity, and homogeneity. Used for consultancy in industry and student training in modern NDT methods.
6	Concrete Permeability Apparatus with Air Compressor.(100 mm dia.Three Cell Model)	Determines permeability and durability characteristics of hardened concrete. Important for research on water-proofing and R&D on sustainable materials.
7	Concrete Mixer Motorized Portable. (100kg Cap.)	Used for preparation of homogeneous concrete mixes for lab testing, student experiments, and project work involving mix design.
8	Horizontal Shake Table (Eccentric Cam)	Simulates dynamic loads and seismic effects. Enables study of structural response under earthquake conditions for research and mini-projects.
9	Vertical Shake Table	Used for dynamic analysis of structural models under vertical vibration loads. Applied in structural engineering projects and disaster mitigation research.
10	Computerised Universal Testing Machine**. Cap – 1000 KN.**	Advanced machine for accurate determination of stress–strain characteristics, tensile/compressive tests, and automated data acquisition. Used in high-level student projects, research, and consultancy services.

The **Project Laboratory** is extensively utilized by Civil Engineering students not only for conducting regular curriculum-based experiments but also for carrying out **project-oriented and research-based work**. The laboratory provides hands-on exposure to modern instruments and testing procedures, enabling students to correlate theoretical knowledge with practical applications.

Key Areas of Utilization:

A.Curricular Support

1. Conducting standard tests on construction materials such as cement, concrete, aggregates,

steel, and bitumen.

2. Reinforcing fundamental concepts of strength of materials, durability, and quality

assessment

B Student Projects

1. Undergraduate projects involving alternative construction materials (e.g., fly ash bricks,
2. Geopolymer concrete, slag replacement, plastic in bitumen).
3. Experimental investigations on strength, durability, and microstructural performance of

novel composites.

4 Field-related testing supports for consultancy and live projects

C Skill Development

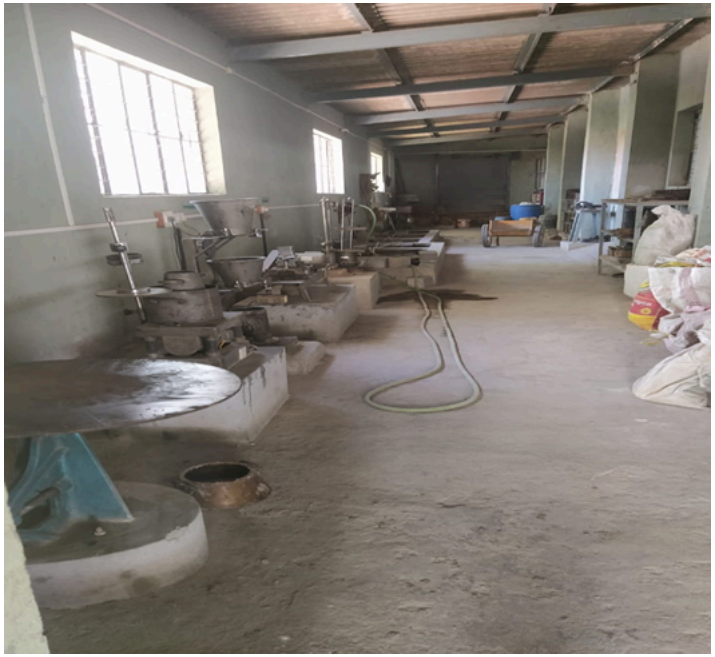
Training in standard codes (IS/ASTM) and procedures.

Data analysis, interpretation, and report writing based on experimental findings.

Familiarity with industry-level material testing equipment.

Impact on Students

Enhances practical understanding of material behaviour under different loading and environmental conditions.Improves analytical skills through experimental validation of design assumptions.Encourages innovation in developing sustainable and cost-effective construction materials. Strengthens industry readiness by imparting professional testing and documentation practices.



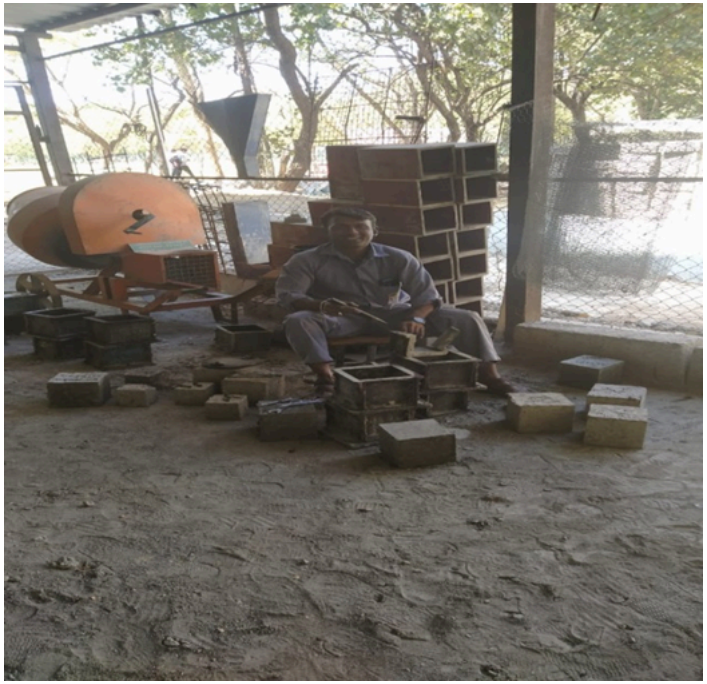


Photo 7.5.1 Project laboratory Testing of Material Laboratory

Photo 7.5.2 Project laboratory inside View

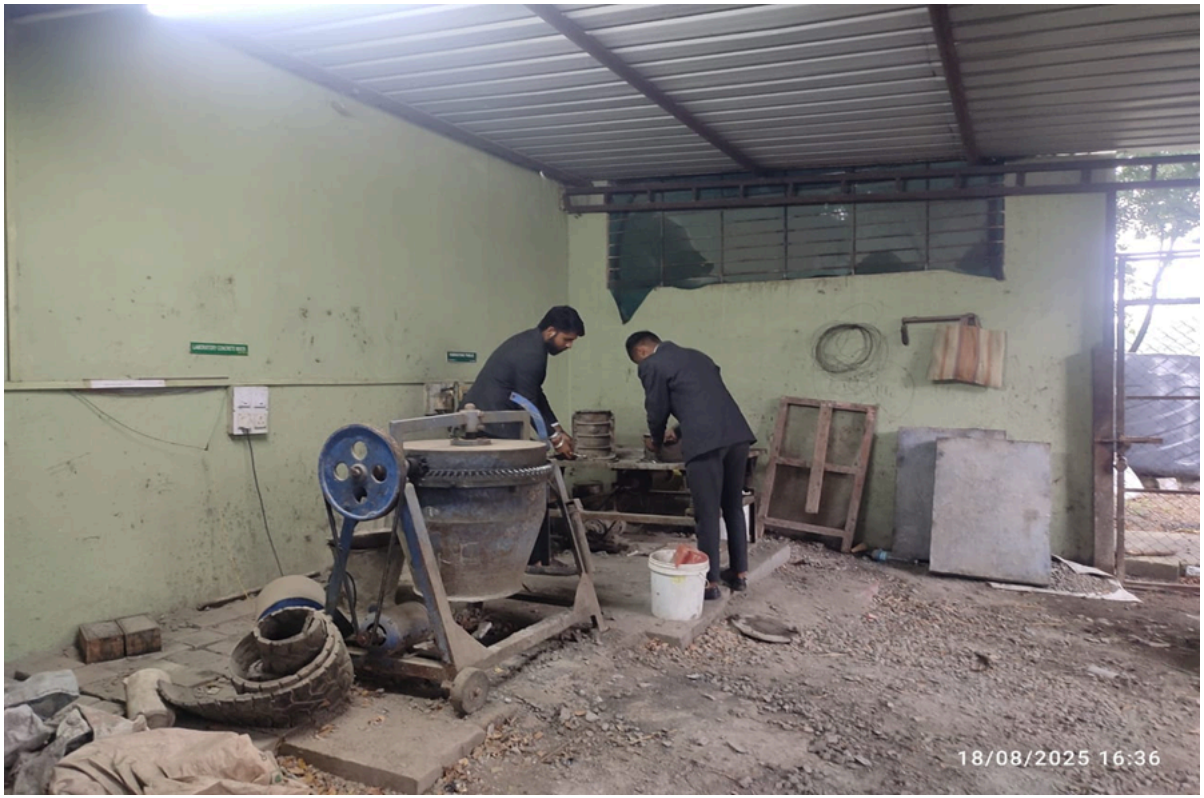


Photo 7.5.3 Students working on concrete Mixer in Project laboratory

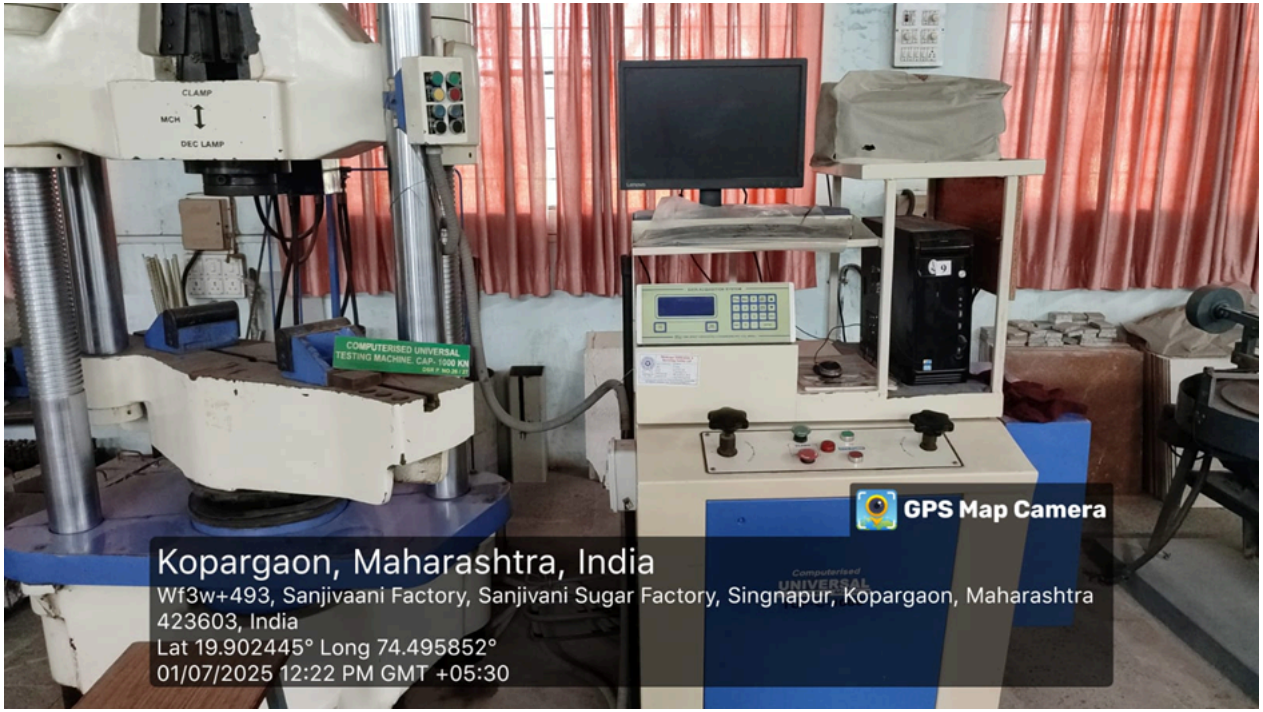


Photo: Computerised Universal Testing Machine. Cap – 1000 KN

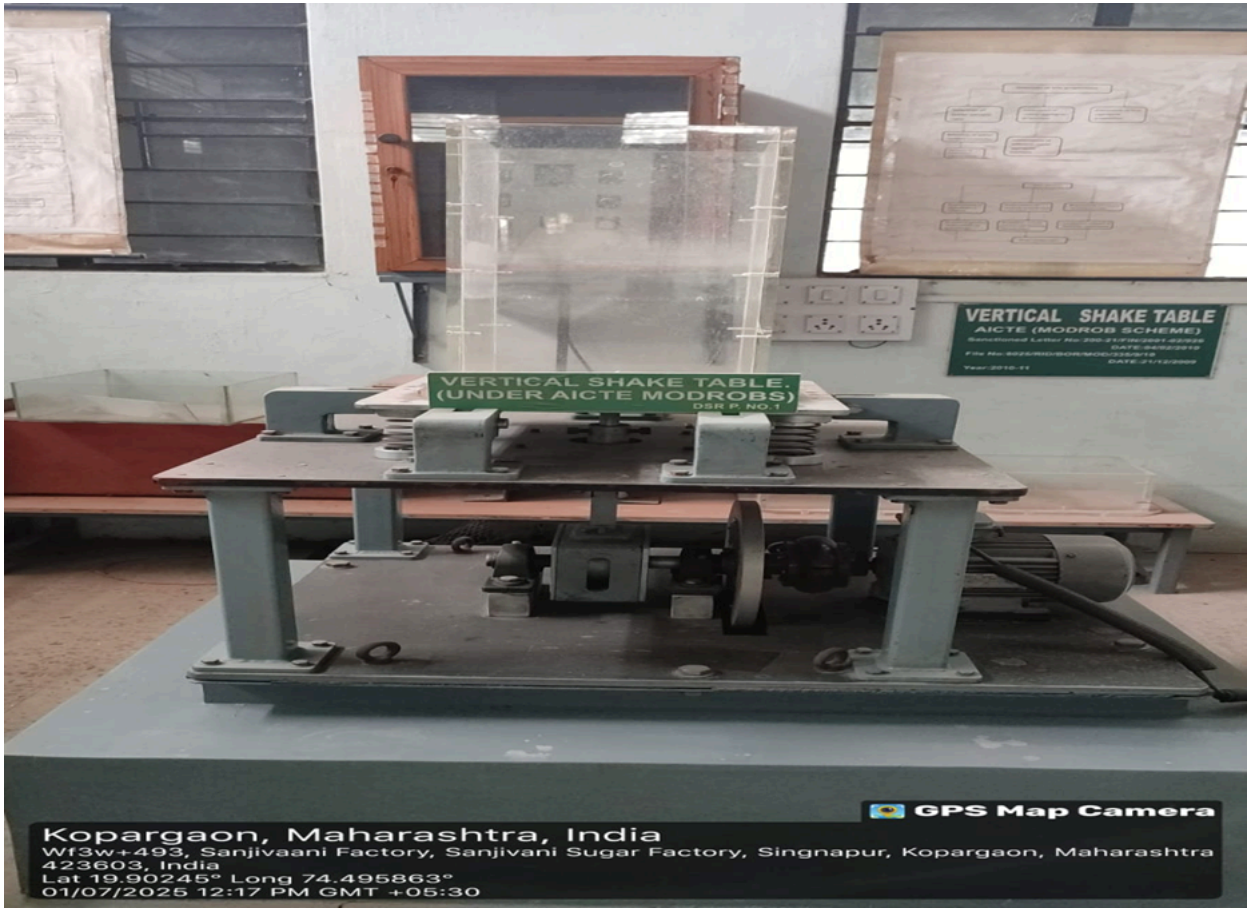


Photo Vertical Shake Table

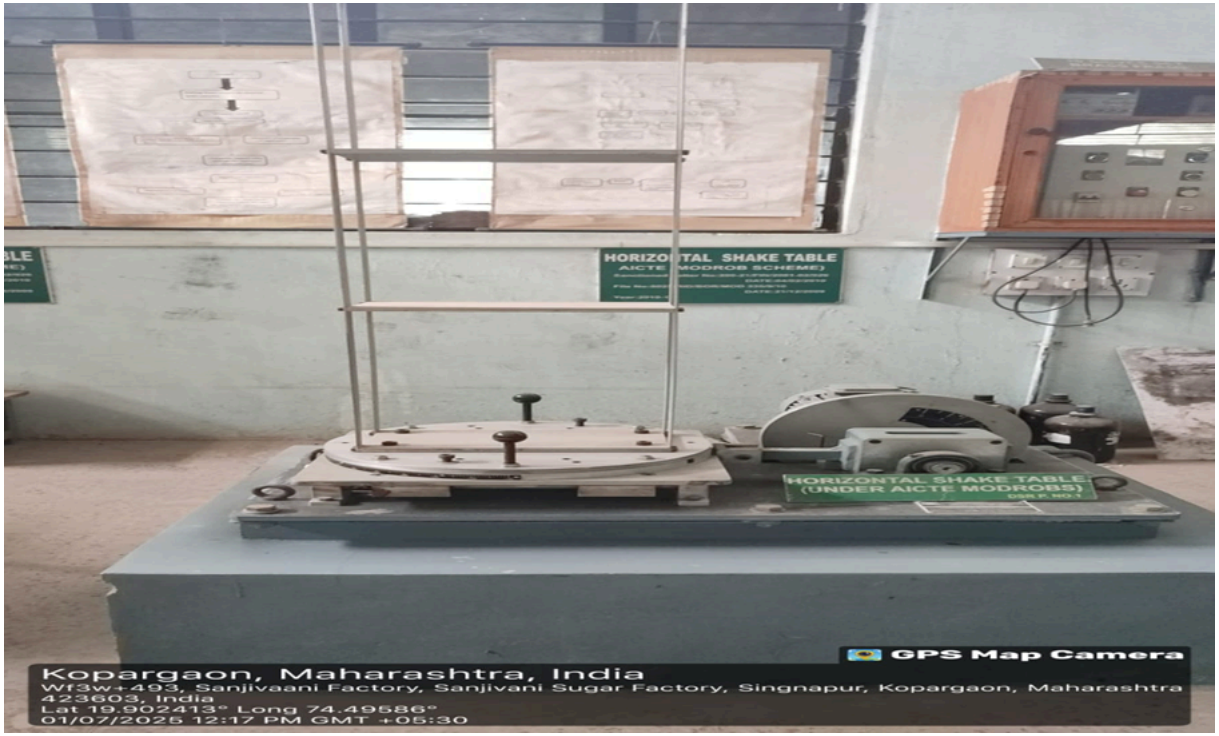


Photo: Horizontal Shake Table

Table 7.5.2 List of the Projects done in the Project Laboratory.

Academic Year	Title of The Projects	Project Guide

2021-22	1.Comparison of Strength properties Steel and FRP Rebars	Dr.S.M.Ghumare
	2.Investigation on Ferro cement composite confinement of RC short column	Prof, A.V .Ghogare
	3.Strengthening Of Column with Ferrocement Technology using Geopolymer Mortar	Prof, A.V.Ghogare
	4 Challenges and solutions for Municipal Solid Waste management during Covid-19	Dr. A.V.Deshpande
	5 Investigation of Rice Husk Ash bacterial concrete	Prof. D.D.More
	6 Structural health monitoring by using self-sensing carbon fibre reinforcement	Prof .A.R.Pable
	7 Manufacturing of Water Permeable Pavement blocks using porous concrete	Prof. P.P.Dange
	8. Experimental investigation of RC beams strengthened with externally bonded FRP composites.	Prof. R.S. Rajguru
	9. Development of Gamification and Road Safety Audit Platform	Prof. Manjunath
	10. Use of Rubber and synthetic fibers in rigid pavement.	Prof. D. Dharwad

2022-23	1..Experiment investigation on thermal effect on ferrocement plate	Dr. S. V. Patankar
	2.Experimental Investigation of micro concrete as an good bonding material in concrete	Dr. S. V. Patankar
	3.Experimental investigation on suitability of plastic waste in development and production of cover blocks	Dr. S. V. Patankar
	4.To study the effect of Bio-gas plant sludge in bituminous and Concrete Mix	Dr. S.M.Ghumare
	5. Experimental investigation on partial replacement of steel slag as fine and coarse aggregate in concrete blocks.	Dr. A.V.Deshpande
	6. Experimental investigation on performance of Tile adhesive used in flooring.	Prof.D.D.More
	7.Experimental investigation of water to geo-polymer binder ratio in geo-polymer concrete by workability and compressive strength	Prof. S.R.Nawale
	8.Behavior of RC Columns wrapped by ferrocement composites	Prof. A.V.Ghogare
	9.Investigation on interlocking bricks using recycle wastes.	Prof. A.V.Ghogare
	10.Experimental Investigation on the use of Geosynthetic as reinforcement in weak subgrade	Dr. V Sairam
	11.High Strength Self-Compacting Concrete using waste Marble in substitution of Natural Aggregate	Prof.V. M. Mahajan

2023-24	Suitability f fly ash base Geopolymer concrete in road construction	Dr. S. V. Patankar
	Comparative Study of Plain Cement Concrete and Fiber Reinforced Concrete	Dr. S. V. Patankar
	Feasibility study of bacteria & optical fibres to develop self-healing cement-concrete.	Prof. D.D.More
	The Experimental study of Durability characteristics of Geopolymer concrete at ambient temperature.	Prof. S.R.Nawale
	Experimental study of Shear bond and Flexural characteristic on Geopolymer concrete at ambient temperature	Prof. S.R.Nawale
	Behavior of Wrapped concrete specimen by ferro-Geopolymer Composites	Prof. A.V.Ghogare
	Experimental investigation on steel slag concrete to reduce cement content.	Prof.V. M. Mahajan
	Earthquake Resisting Technique for Sustainable Building	Prof A.R.Gaikwad
	Geosynthetic Materials for Improving Properties of Base Soil for Road Pavement.	Prof.N.B.Aher
	Strength and durability studies of slag cement paste with Nano silica.	Dr. V Sairam

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
2022-23(CAYm2)	720	36	16	33	54
2023-24(CAYm1)	720	36	16	40	58
2024-25(CAY)	720	36	16	42	59

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 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Infrastructure Built-Up	0	0	0	0	0	0	0	0
Library	3500000	3937591	3200000	99407	1350000	745600	1450000	560856
Laboratory equipment	12025000	14869861	9065000	3314591	22200000	4233210.88	17150000	8375948.12
Teaching and non-teaching staff salary	335500000	311000758	329166000	305772300	358250000	275056400	265126000	254086781
Outreach Programs	0	1360441	500000	2441005	700000	325719	1040000	51280
R&D	1200000	1735235	4815000	2740465	1000000	767081	2000000	387205
Training, Placement and Industry linkage	5200000	10550239	3600000	11889536	3000000	7503419	2500000	648796
SDGs	487000	895443	0	163719	6500000	610397	1000000	2718902
Entrepreneurship	1100000	1888869	1500000	4301320	750000	6003059	725000	818365
Others, specify	178917992.30	195876429	186357000	275530913	140997000	283292168.12	140398000	160388587.88
Total	**537929992.30**	**542114866**	**538203000**	**606253256**	**534747000**	**578537054.00**	**431389000**	**428036721.00**

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 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Laboratory equipment	900000	112340	1400000	1267256	3500000	4944270	3820000	2403431
Software	0	72871.13	200000	343337	150000	846320.64	0	8947.94
SDGs	50000	167135.26	0	34374.64	10000	145416.55	0	612964.91
Support for faculty development	0	0	0	0	0	0	0	0
R & D	1200000	323883.20	265000	575454.39	200000	182743.81	100000	87293.72
Industrial Training, Industry expert, Internship	100000	1969211.77	0	0	0	0	0	0

Miscellaneous Expenses*	560000	0	635000	0	2280000	0	2335000	0
Total	**2810000**	**2645441.36**	**2500000**	**2220422.03**	**6140000**	**6118751.00**	**6255000**	**3112637.57**