NATIONAL BOARD OF ACCREDITATION

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

Note: To save Data Capturing Points as PDF Please click on print button and select destination as 'Save as PDF'. PLEASE SELECT LANDSCAPE MODE.

Program Name : Civil Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 11563	**Date of Submission**: 17-02-2026

PART A- Profile of the Institute

A1.Name of the Institute: VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE	
Year of Establishment : 1887/1997	Location of the Institute: Matunga, Near Five gardens
A2. Institute Address:H.R. MAHAJANI MARG,NEAR FIVE GARDENS,MATUNGA(E),MUMBAI-400019	
City:MUMBAI	State:Maharashtra
Pin Code:400019	Website:WWW.VJTI.AC.IN
Email:director@vjti.ac.in	Phone No(with STD Code):022-24198103
A3. Name and Address of the Affiliating University (if any):	
Name of the University :	City: Mumbai-City
State : Maharashtra	Pin Code: 0
A4. Type of the Institution: Government Aided Institute	
A5. Ownership Status: State Government	

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

- No. of UG programs: **9**
- No. of PG programs: **18**

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	PG	Artificial Intelligence and Data Science	2010	--	Computer Engineering
2	Engineering & Technology	UG	Civil Engineering	1949	--	Civil and Environmental Engineering
3	Engineering & Technology	UG	Computer Engineering	1986	--	Computer Engineering
4	Engineering & Technology	PG	Computer Engineering	1986	--	Computer Engineering
5	Engineering & Technology	PG	Construction Management	1991	--	Civil and Environmental Engineering
6	Engineering & Technology	PG	Defence Technology	2022	--	Mechanical Engineering
7	Engineering & Technology	PG	Electric Vehicle Technology	1958	--	Mechanical Engineering
8	Engineering & Technology	UG	Electrical Engineering	1947	--	Electrical Engineering
9	Engineering & Technology	UG	Electronics and Telecommunication Engineering	2010	--	Electronics Engineering

10	Engineering & Technology	PG	Electronics and Telecommunication Engineering	2005	--	Electronics Engineering
11	Engineering & Technology	UG	Electronics Engineering	1986	--	Electronics Engineering
12	Engineering & Technology	PG	Embedded Control Systems	1955	--	Electrical Engineering
13	Engineering & Technology	PG	Environmental Engineering	1961	--	Civil and Environmental Engineering
14	Engineering & Technology	UG	Information Technology	2001	--	Computer Engineering
15	Engineering & Technology	PG	Intergrated Power Systems	1955	--	Electrical Engineering
16	Engineering & Technology	PG	Internet of Things (IOT)	1955	--	Electronics Engineering
17	Engineering & Technology	PG	Machine Design	1958	--	Mechanical Engineering
18	Engineering & Technology	UG	Mechanical Engineering	1947	--	Mechanical Engineering
19	Engineering & Technology	PG	Mechanical Engineering (CAD/CAM and Robotics)	2000	--	Mechanical Engineering
20	Engineering & Technology	PG	Production and Industrial Engineering	1969	--	Production Engineering
21	Engineering & Technology	UG	Production Engineering (Sandwich)	1973	--	Production Engineering
22	Engineering & Technology	PG	Project Management	2013	--	Production Engineering
23	Engineering & Technology	PG	Software Engineering	2012	--	Computer Engineering
24	Engineering & Technology	PG	Structural Engineering	1959	--	Civil and Environmental Engineering
25	Engineering & Technology	PG	Technical Textile	1971	--	Textile Engineering
26	Engineering & Technology	UG	Textile Technology	1946	--	Textile Engineering
27	Engineering & Technology	PG	Thermal Sciences & Energy Systems	2011	--	Mechanical Engineering

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Civil and Environmental Engineering	No	Civil Engineering	UG
Electronics Engineering	No	Electronics 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	1949 / --	60	No	NA	60	1949	F.No. Western/1-44642072874/2025/EOA dt:-11/04/2025	Granted accreditation for 3 years for the period (specify period)	2022	2025	4	4

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 S Y Mhaske
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	60	60	60	60	60	60	60
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	8	10	10	10	11	13
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	12	15	7	7	7	6	6
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	72	83	77	77	77	77	79

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	60	12	120.00
2024-25 (CAYm1)	60	60	15	125.00

2023-24 (CAYm2)	60	60	7	111.67

Average [(ER1 + ER2 + ER3) / 3] = 118.89≡ 100

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

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

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	77.00	77.00	79.00
B=No. of students who graduated from the program in the stipulated course duration	74.00	77.00	77.00
Success Rate (SR)= (B/A) * 100	96.10	100.00	97.47

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 97.86

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)	7.05	6.96	6.28
Y=Total no. of successful students	73.00	67.00	66.00
Z=Total no. of students appeared in the examination	75.00	67.00	67.00
API [X*(Y/Z)]	6.86	6.96	6.19

Average API[(AP1+AP2+AP3)/3] : 6.67

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)	7.16	6.47	6.93
Y=Total no. of successful students	73.00	74.00	74.00
Z=Total no. of students appeared in the examination	77.00	76.00	76.00
API [X * (Y/Z)]	6.79	6.30	6.75

Average API [(AP1 + AP2 + AP3)/3] : 6.61

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)	6.55	7.00	7.24
Y=Total no. of successful students	74.00	74.00	77.00
Z=Total no. of students appeared in the examination	74.00	74.00	77.00
API [X*(Y/Z)]:	6.55	7.00	7.24

Average API [(AP1 + AP2 + AP3)/3] : 6.93

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	74.00	77.00	77.00
X=No. of students placed	46.00	50.00	54.00
Y=No. of students admitted to higher studies	7.00	8.00	8.00
Z= No. of students taking up entrepreneurship	3.00	0.00	2.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	75.68	75.32	83.12

Average Placement Index = (P_1 + P_2 + P_3)/3: 78.04 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 S Y Mhaske	XXXXXXX81J	Ph.D	IIT Bombay	Geospatial Technology	03/02/1997	29	Assistant Professor	Associate Professor	15/07/2006	Regular	Yes		Yes
2	Dr A S Wayal	XXXXXXX23N	Ph.D	JNV University, Jodhpur	Water resources Engineering	12/07/2011	14.7	Associate Professor	Associate Professor	12/07/2011	Regular	Yes		No
3	P S Chaudhari	XXXXXXX60B	M.Tech	IIT Bombay	Water Resource Engineering	18/07/2003	22.6	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Dr S U Sayyad	XXXXXXX21M	Ph.D	IIT Roorkee	Environmental Engineering	04/01/2011	15.1	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Dr V B Varekar	XXXXXXX37F	Ph.D	IIT Bombay	Environmental Engineering	04/07/2016	9.7	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Dr C D Wagh	XXXXXXX02A	Ph.D	IIT Guwahati	Structural Engineering	14/03/2024	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Dr S S Surapreddi	XXXXXXX69F	Ph.D	IIT Kanpur	Geotechnical Engineering	20/03/2024	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Dr N N Oke	XXXXXXX25G	Ph.D	IIT Madras	Environmental Engineering	05/04/2024	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Dr S Verghese	XXXXXXX49A	Ph.D	IIT Delhi	Environmental Engineering	31/07/2023	2.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No

10	Dr A Joy	XXXXXXX51C	Ph.D	Cochin University of Science and Technology	Geotechnical Engineering	31/07/2023	2.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
11	Dr Ajay Pratap	XXXXXXX23N	Ph.D	NIT Jalandar	Structural Engineering	01/07/2025	0.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
12	N S Shirbhate	XXXXXXX95P	M.Tech	Amarvati University	Environmental Engineering	24/05/2021	4.8	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
13	V V Kotak	XXXXXXX67C	M.Tech	Gujrat Technological University	Infrastructure Engineering	30/08/2022	3.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
14	Dr R Chouhan	XXXXXXX70B	Ph.D	NIT Surat	Transportation Engineering	31/01/2025	1	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
15	Dr P P Bhave	XXXXXXX33B	Ph.D	Institute of Chemical Technology in Prague	Environmental Engineering	01/08/1986	39.6	Assistant Professor	Associate Professor	01/01/2008	Contractual Fulltime	Yes		No
16	Dr K K Sangle	XXXXXXX52L	Ph.D	IIT Bombay	Structural Engineering	28/04/2000	25.9	Assistant Professor	Professor	31/05/2011	Regular	Yes		No
17	Dr V B Deshmukh	XXXXXXX77R	Ph.D	IIT Bombay	Geotechnical Engineering	04/07/2011	14.7	Associate Professor	Associate Professor	04/07/2011	Regular	Yes		No
18	Dr S S Pendhari	XXXXXXX81E	Ph.D	IIT Bombay	Structural Engineering	15/07/2011	14.7	Associate Professor	Associate Professor	15/07/2011	Regular	Yes		No
19	Dr J G Solanki	XXXXXXX98L	Ph.D	IIT Bombay	Structural Engineering	12/01/2008	18.1	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Dr K Fasate	XXXXXXX34K	Ph.D	IIT Delhi	Structural Engineering	13/03/2024	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Dr V Singh	XXXXXXX44J	Ph.D	Mumbai University	Structural Engineering	01/11/2022	3.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
22	Dr S Yadav	XXXXXXX85C	Ph.D	Mumbai University	Structural Engineering	26/07/2023	2.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
23	Dr Y Reddy	XXXXXXX02L	Ph.D	Vignan University	Structural Engineering	01/08/2024	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
24	Komal Bedi	XXXXXXX67B	M.Tech	RCOEM	Structural Engineering	12/08/2024	1.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
25	Mada Sarashwati	XXXXXXX75R	M.Tech	JNTUK	Geotechnical Engineering	30/01/2025	1	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
26	Dr Shihab Patel	XXXXXXX22H	Ph.D	UTP	Offshore Structure	14/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
27	Dr Archana Dongare	XXXXXXX38K	Ph.D	IIIT Hyderabad	Structural Engineering	04/01/2021	3.5	Assistant Professor	Assistant Professor		Contractual Fulltime	No	29/06/2024	No
28	Dr M N Singh	XXXXXXX12J	Ph.D	MNIT	Geotechnical Engineering	27/12/2022	1.5	Assistant Professor	Assistant Professor		Contractual Fulltime	No	21/06/2024	No

29	N N Sadavarte	XXXXXXX46A	M.Tech	NIT Warangal	Structural Engineering	27/12/2022	1.8	Assistant Professor	Assistant Professor		Contractual Fulltime	No	24/09/2024	No
30	Sheetal Rathod	XXXXXXX31M	M.Tech	VIT	Structural Engineering	23/08/2023	0.8	Assistant Professor	Assistant Professor		Contractual Fulltime	No	30/04/2024	No
31	A Anjunikar	XXXXXXX36F	M.Tech	GCEK	Structural Engineering	14/01/2025	0.5	Assistant Professor	Assistant Professor		Contractual Fulltime	No	30/06/2025	No
32	Dr A N Bambole	XXXXXXX78Q	Ph.D	IIT Bombay	Structural Engineering	22/07/2011	14.6	Professor	Professor	22/07/2011	Regular	Yes		No
33	A D Attar	XXXXXXX22N	M.Tech	Savitribai Phule Pune University	Structural Engineering	25/08/2023	1.10	Assistant Professor	Assistant Professor		Contractual Fulltime	No	30/06/2025	No
34	Dr Aishwarya T	XXXXXXX42E	Ph.D	IIT Bombay	Geotechnical Engineering	05/08/2024	0.10	Assistant Professor	Assistant Professor		Contractual Fulltime	No	30/06/2025	No
35	Dr M M Sharma	XXXXXXX22K	Ph.D	University of Texas at El Paso	Transportation Engineering	25/08/2020	3.7	Assistant Professor	Assistant Professor		Contractual Fulltime	No	30/03/2024	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 Department3
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**
PG1.A	18	18	18

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
PG1.B	18	18	18
PG1: Construction Management	**36**	**36**	**36**
PG2.A	17	17	17
PG2.B	17	17	17
PG2: Environmental Engineering	**34**	**34**	**34**
PG3.A	25	25	25
PG3.B	25	25	25
PG3: Structural Engineering	**50**	**50**	**50**
DS=Total no. of students in all UG and PG programs in the Department	318	318	318
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=** 318	**S2=** 318	**S3=** 318
DF=Total no. of faculty members in the Department	27	25	22
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=** 27	**F2=** 25	**F3=** 22
FF=The faculty members in F who have a 100% teaching load in the first-year courses	4	4	4
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 13.83**	**SFR2= 15.14**	**SFR3= 17.67**
Average SFR for 3 years	**SFR= 15.55**		

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)	21	6	15.00	39.00
2024-25(CAYm1)	19	6	15.00	35.67
2023-24(CAYm2)	13	9	15.00	27.67

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	2.00	3.00	4.00	10.00	8.00
2024-25	1.00	2.00	3.00	4.00	10.00	8.00
2023-24	1.00	2.00	3.00	4.00	10.00	4.00
Average	RF1=1.00	AF1=2.00	RF2=3.00	AF2=4.00	RF2=10.00	AF2=6.67

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	Dr P P Bhave	Adjunct Faculty	Veermata Jijabai Technological Institute	Principles of Sustainability, Water & Wastewater Management	78.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr P P Bhave	Adjunct Faculty	Veermata Jijabai Technological Institute	Sustainable Development, Climate Change & Carbon Neutrality	78.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr P P Bhave	Adjunct Faculty	Veermata Jijabai Technological Institute	Solid & Hazardous Waste Management, Climate Change & Carbon Neutrality	78.00

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	21	18	22
2	No. of peer reviewed conference papers published	2	0	1
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)

(CAYm2)

(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. K. K. Sangle			Development of Smart Drone Ecosystem and Demonstration of Societal Applications towards Larger Drone Development Strategy of Maharashtra	Government of Maharashtra	5 years	344.80
Dr. K. K. Sangle			Sponsorship for the research and development of Ultra High Performance Concrete (UHPC) in the SED, VJTI	Long Span Structures Pvt. Ltd.	4 years	10.00
						Amount received (Rs.):354.80

Total Amount (Lacs) Received for the Past 3 Years: 354.80

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 A S Wayal		Civil and Environmental Engineering	TRQA	TMC	Four months	1.00
Dr A S Wayal		Civil and Environmental Engineering	TRQA	TMC	Four months	2.90
Dr A S Wayal	Dr S S Pendhari	Civil and Environmental Engineering	Structural Audit	PWD	Six months	3.50
Dr A N Bambole	Dr Kavita Fasate	Structural Engineering Department	Structural Audit and TPQA of CSTM Railway Station	Indian Railways	Ten Months	80.00
Dr V B Varekar	Dr S U Sayyad	Civil and Environmental Engineering Department	Water Budget Audit	JSW Steel Ltd	one month	6.00
Dr A S Wayal		Civil and Environmental Engineering Department	TRQA	Nashik Municipal Corporation	One year	8.90
Dr C D Wagh		Civil and Environmental Engineering Department	Proof checking	MIDC Dombivali	One month	3.00
						Amount received (Rs.):105.30

(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 S Wayal	Dr S S Pendhari	Civil and Environmental Engineering	Structural Audit	BMC	Six months	1.00
Dr V B Varekar		Civil and Environmental Engineering	TRQA	Kalyan Dombivali Municipal Corporation	Six months	2.94
Dr J G Solanki		Civil and Environmental Engineering	TRQA	PWD	Six months	2.00
Dr V B Deshmukh		Civil and Environmental Engineering	TRQA	PWD	Six months	2.00
Dr S S Pendhari		Structural Engineering Department	Structural audit of Marathi and Mali Dnyati Panchayat Building, Thane	M/S Marathi and Mali Dnyati Panchayat Building Tenant Association	Two Months	2.50
Dr S S Pendhari		Structural Engineering Department	Structural Audit of building structure known as 101/B, Out House (Sea), Indra Bhavan	Ms. Hemali Thakkar	Three Months	3.00
Dr S S Pendhari		Structural Engineering Department	Proof checking of minor bridge (culvert)	Prabhat Global Colour-Coated Pvt. Ltd.	Three Months	2.00
P S Chaudhari		Civil and Environmental Engineering	TRQA	Tata Power Company Ltd	One month	2.40
Dr J G Solanki		Structural Engineering Department	Structural audit of building Vainatheya CHS	Vainatheya CHS	one month	4.75
Dr J G Solanki		Structural Engineering Department	Structural audit of building shantivan CHS	Secretary Shantivan CHS	one month	5.00
						Amount received (Rs.):27.59

(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 A N Bambole		Civil and Environmental Engineering	Structural audit	PWD	Six months	2.25
Dr K K Sangle		Civil and Environmental Engineering	Proofchecking and Vetting	RBI	Six months	3.00
Dr S S Pendhari		Civil and Environmental Engineering	TPQA	PWD	Six months	2.80
Dr S S Pendhari	Dr V B Deshmukh	Structural Engineering Department	Structural Audit of Existing renovated building, Vashi, Navi Mumbai	EMPLOYEES' STATE INSURANCE CORPORATION	Six Months	16.00
Dr S S Pendhari		Structural Engineering Department	Proof checking of MIDC Box Culvert, Taloja	Toyo Engineering India Private Limited	Three Months	3.00
Dr J G Solanki		Structural Engineering Department	Structural audit of building Akash Ganga	Urban analysis and solution	One Month	4.00
Dr. J G Solanki		Structural Engineering Department	Structural audit of building Nazia Palace	Nazia Palace CHS	One Month	3.00
Dr. J G Solanki		Structural Engineering Department	Structural audit of building Pratik CHS	Pratik CHS	One Month	3.00
Dr A N Bambole		Structural Engineering Department	TPQA of Cycle Track	MCGM	3 Months	34.00
Dr A S Wayal	Dr S S Pendhari	Civil and Environmental Engineering	Structural Audit	NITIE Mumbai	Three months	10.00
Dr A S Wayal	Dr P P Bhave	Civil and Environmental Engineering	Proof checking	PWD	One month	5.50
						Amount received (Rs.):86.55

Total amount (Lacs) received for the past 3 years: 219.44

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 A S Wayal and Dr V B Varekar	Establishment of Centre of Excellence for Environmental Surveillance and Monitoring	3 years	4.90	3.90	One Peer Reviewed Journal Publication and One Conference Publication
Dr S S Surapreddi	Ground-borne vibration mitigation	2 years	5.00	4.70	One Journal Publication and Conference Publication
Dr C D Wagh	Development of Phase Change Material	2 years	5.00	0.00	.
Dr N N Oke	Wholesome Water Availability in Rural Maharashtra	2 years	5.00	0.00	.
Dr Kavita Fasate	Blast loading analysis	2 years	5.00	0.00	.
			Amount received (Rs.): 24.90		

(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
			Amount received (Rs.): 0		

(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
			Amount received (Rs.): 0		

Total amount (Lacs) received for the past 3 years : 24.90

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	Water and Wastewater Lab	4	1.Turbidimeter Jar Test Apparatus 2. pH Meter 3. COD Analyzer 4. BOD Apparatus 5. Total Carbon and	9	Bhangare T.S. Ambekar N	Lab Assistant Lab Attenda	S.S.C, MSCIT Non S.S.C
2	Air & Noise Pollution Lab	4	1.Sound Level Meter 2.Sound Intensity Analyzer 3.Vibration Analyzer 4.Hydrogen Generator	15	Bhangare T.S. Ambekar N	Lab Assistant Lab Attenda	S.S.C, MSCIT Non S.S.C
3	Transportation Engineering	4	1.Ductility Testing Machine 2.Portable Skid Tester 3.GPR 4.Digital Compression Testing Machine 5.Thin	12	B.P. Sawant	Lab Attendant	S.S.C.
4	Hydraulics lab	6	1.Laminar flow table 2. Open Channel Flow Setup Mild Steel Bernaullis Theorem Apparatus Orificemeter	18	Pradip Pasthe	Lab Attendant	S.S.C.
5	Surveying lab	6	.Total Station 2.G.P.S. Receiver 3.Geo XT(2Nos) 4. Advanced Total Station 5. Differential Global	15	Jadhav S.R Javed Akber	Lab Assistant Hamal	H.S.C. MS-CIT Non S.S.(
6	UG Computer Lab	1	1. 40 number of PCs 2. Primavera, Systat 3. ArcGIS-01 4. Breeze -7.6 5.AIRMOD 6. EPA-Net 7. Loop and	12	Gawade G.K	Hamal	HSC, MSCIT
7	PG Computer Lab	1	1. 25 Number of High end PCs 2. Breeze -7.6 , SPSS25, AIRMOD 3. EPA-Net 4.Loop and Branch	16	Gawade G.K	Hamal	HSC, MSCIT

8	Geology lab	5	All types of Metamorphic, Igneous, Sedimentary rocks and Minerals	9	Tandel U.S.	Hamal	S.S.C
9	Applied Mechanics Lab	6	1) Jib crane 2) Link chain 3) Screw jack 4) simple beam 5) Shear leg 6) Bell crank 7) Torsion Pendulum 8) Compound Pendulum 9) Fly wheel 10) Rolling bodies	6	Mr. Mangesh K. Dhuri	Instructor	HSC
10	Strength of Materials Lab	6	1) Universal testing machine 30 tonnes 2) Universal testing machine 3) Izod charpy machine 4) Brinell hardness test 5) Flexural test	6	Mr. Vilas P. Gaikwad	Instructor	HSC
11	Concrete Technology Lab	4	1) IS Sieves 2) Vicat's apparatus 3) Le Chatelier's apparatus 4) Compressive strength test machine 5) Mechanical vibrators 6) moulds 7) Slump cone 8) Vee	4	Mr. Subhas Kedare	Lab Attendant	SSC
12	Soil Mechanics lab	6	1) Triaxial Testing machine 2) Box Shear test equipment 3) Permeability test app setup 4) Consolidation test apparatus 5) Automatic compactor	8	Mr. Dilip R. Sawant	Lab Attendant	SSC
13	Plumbing lab	10	Live demonstration of plumbing fixtures	4	Javed Akber Sayyed	Hamal	Non S.S.C
14	Computer lab	2	30 Numbers of PC	8	Mr. Mangesh K. Dhuri	Instructor	HSC
15	Experimental lab	6	1) Load cells with indicators (25Ton, 50Ton, 400Ton) 2) Vibrating wire gauge of strain gauges with read out units 3) Loading frame (100Ton) 4) Compression	4	Mr. Dilip R. Sawant	Lab Attendant	SSC
16	Building Materials andModel Lab	6	Demonstration of various models of infrastructure projects, construction techniques, construction materials	8	Mrs. Bharati Naik	Hamal	Non S.S.C

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	UG Computer lab	Smoke detection system, Fire alarm, CCTV surveillance , Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan
2	Water and Wastewater Lab	First Aid, Aprons, Hand gloves, Safety goggles, Protective Mask, CCTV surveillance, Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan
3	Transportation Engineering Lab	First Aid and Hand gloves, CCTV surveillance, Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan
4	Hydraulics lab	First Aid, CCTV surveillance, Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan

5	Surveying lab	First Aid, Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan
6	Geology lab	CCTV surveillance, Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan
7	Applied Mechanics Lab	First Aid, CCTV surveillance, Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan
8	Strength of Materials Lab	First Aid, CCTV surveillance, Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan
9	Concrete Technology Lab	Use of shoes and gloves, CCTV surveillance, Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan
10	Soil Mechanics lab	First Aid, CCTV surveillance, Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan
11	PG Computer Lab	CCTV surveillance,Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan
12	Post Graduate Environmental Engineering Lab	First Aid, Aprons, Hand gloves, Safety goggles, Protective Mask, CCTV surveillance, Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan
13	Solid & Microbiology Lab	First Aid, Aprons, Hand gloves, Safety goggles, Protective Mask, CCTV surveillance, Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan
14	Computer lab	Smoke detection system, Fire alarm, CCTV surveillance, Emergency Exit plan
15	Experimental lab	First Aid, load lifting mechanics, Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan

16	Project lab	CCTV surveillance, Smoke detection system, Fire alarm, Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan
17	Model Lab	CCTV surveillance, Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan
18	Air & Noise Pollution Lab	First Aid, Aprons, Hand gloves, Safety goggles, Protective Mask, CCTV surveillance, Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan
19	Plumbing lab	CCTV surveillance, Fire Extinguisher, Dos and Don't Chart, Emergency Exit plan

D3. Project Laboratory/Research Laboratory

The department provides well-established laboratories to support student projects, research activities, innovation, startups, and Centre of Excellence (CoE) initiatives. Research-oriented laboratory infrastructure enables systematic investigation, experimentation, and knowledge creation in various domains of civil engin

1. **Centre of Excellence (CoE) in AEC (in collaboration with Nemetschek)**
   MOU was signed between Veermata Jijabai Technological Institute (VJTI), Mumbai and Nemetschek India, under which an Centre of Excellence in Architecture, Engineering and Construction (AEC) is established which aims to expand a framework of cooperation to support students, educational programs, anc
2. **Center of Excellence in Performance Based Design**

   The COE was established in the year 2025, to make enhanced studies in the field of structural engineering especially performance-based design. It covers major areas of advanced structural research such as seismic performance assessments, wind & vibration analysis, progressive collapse studies etc. Besid
   standard+software+such+as+OpenSees%2C+SAP2000%2C+ETABS%2C+and+ANSYS+for+their+projects.%0D%0ACollaborations%3A+They+engage+in+workshops+and+academic+collaborations+to+foster+industrial+development%27+write+2+paragraphs&gs_lp=Egdnd3Mtd2l6IoIFZW5oYW5jZSAnQ2Vu
   wiz), SAP2000 (https://www.google.com/search?q=SAP2000&sca_esv=6e9105e3f9215b89&sxsrf=ANbL-n4Lk9nrEFHal1cf3gJAMdPh07rE0g%3A1775808324942&source=hp&ei=RK_YaaTeNaLt1e8PytPK8AI&iflsig=AFdpzrgAAAAadi9VDLIE7ynin_3jI0HG7400vOkkjGD&ved=2ahUKEwje0qbM6eKTAxWHbfU
   standard+software+such+as+OpenSees%2C+SAP2000%2C+ETABS%2C+and+ANSYS+for+their+projects.%0D%0ACollaborations%3A+They+engage+in+workshops+and+academic+collaborations+to+foster+industrial+development%27+write+2+paragraphs&gs_lp=Egdnd3Mtd2l6IoIFZW5oYW5jZSAnQ2Vu
   wiz), ETABS (https://www.google.com/search?q=ETABS&sca_esv=6e9105e3f9215b89&sxsrf=ANbL-n4Lk9nrEFHal1cf3gJAMdPh07rE0g%3A1775808324942&source=hp&ei=RK_YaaTeNaLt1e8PytPK8AI&iflsig=AFdpzrgAAAAadi9VDLIE7ynin_3jI0HG7400vOkkjGD&ved=2ahUKEwje0qbM6eKTAxWHbfUHH(
   standard+software+such+as+OpenSees%2C+SAP2000%2C+ETABS%2C+and+ANSYS+for+their+projects.%0D%0ACollaborations%3A+They+engage+in+workshops+and+academic+collaborations+to+foster+industrial+development%27+write+2+paragraphs&gs_lp=Egdnd3Mtd2l6IoIFZW5oYW5jZSAnQ2Vu
   wiz), and ANSYS (https://www.google.com/search?q=ANSYS&sca_esv=6e9105e3f9215b89&sxsrf=ANbL-n4Lk9nrEFHal1cf3gJAMdPh07rE0g%3A1775808324942&source=hp&ei=RK_YaaTeNaLt1e8PytPK8AI&iflsig=AFdpzrgAAAAadi9VDLIE7ynin_3jI0HG7400vOkkjGD&ved=2ahUKEwje0qbM6eKTAxWHbfU
   standard+software+such+as+OpenSees%2C+SAP2000%2C+ETABS%2C+and+ANSYS+for+their+projects.%0D%0ACollaborations%3A+They+engage+in+workshops+and+academic+collaborations+to+foster+industrial+development%27+write+2+paragraphs&gs_lp=Egdnd3Mtd2l6IoIFZW5oYW5jZSAnQ2Vu
   wiz), simulation-driven solutions to complex engineering challenges, ensuring structural safety and resilience

1. **Project Laboratory**
2. A dedicated Project Lab is available with seating arrangement for students and **18 internet-enabled computer connections**. The laboratory provides Digital interactive board and high-speed internet for project work and research activities.
3. **Access to E-Resources**
   Students and faculty have access to e-journals and digital databases including **ASCE, Springer Link, ScienceDirect, and Digital Engineering Library**, supporting literature review, research publications, and innovative project development.
4. **Utilization of Department Laboratories**
   Students utilize the Project Lab along with specialized laboratories (structural, geotechnical, environmental, transportation, construction management, etc.) depending on their project topics. This integrated usage promotes multidisciplinary research, prototype development, innovation, and startup-oriented outc

PART E: First Year faculty and financial Resources

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

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) +(NS2*0.2))/RF
2023-24(CAYm2)	540	27	13	33	63
2024-25(CAYm1)	540	27	14	43	73
2025-26(CAY)	540	27	19	48	88

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	94000000	48254643	81500000	70726774	53750000	3379189	16400000	9501608
Library	16100000	9971680	17900000	14753205	8700000	6659296	18000000	8310537
Laboratory equipment	23680000	4518601	23680000	16230927	10225000	6617830	7935000	3878836
Teaching and non-teaching staff salary	600000000	571747542	639000000	539998380	595000000	466228934	510000000	532148499
Outreach Programs	900000	660856	900000	421020	1600000	1377888	2000000	904463
R&D	11428000	2502032	11428000	4065767	3300000	2355586	3160000	794781
Training, Placement and Industry linkage	800000	567093	600000	581800	600000	456371	500000	280408
SDGs	100000	46637	100000	6750	25000	6147	20000	6000
Entrepreneurship	4650000	4605223	7600000	5144263	7320000	7320000	5450000	5115451
Others, specify	0	0	0	0	0	0	0	0
Total	**751658000**	**642874307**	**782708000**	**651928886**	**680520000**	**494401241**	**563465000**	**560940583**

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	2525000	396928	32915000	32608249	1125000	1107046	800000	711112

Software	0	0	0	0	0	0	200000	199880
SDGs	100000	46637	100000	6750	25000	6147	20000	6000
Support for faculty development	0	0	0	0	250000	16934	250000	0
R & D	1275000	0	1275000	1197033	375000	375000	375000	158624
Industrial Training, Industry expert, Internship	500000	437038	500000	392333	550000	237702	275000	16720
Miscellaneous Expenses*	0	0	0	0	0	0	0	0
Total	**4400000**	**880603**	**34790000**	**34204365**	**2325000**	**1742829**	**1920000**	**1092336**