NATIONAL BOARD OF ACCREDITATION

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

PART A – Profile of the Institute

Name of the Program applied for: Bachelor of Technology (B Tech) in Civil Engineering

<table>
<tr><td>A1.</td><td colspan="2">Name of the Institute: Shri Vile Parle Kelavani Mandals Narsee Monjee Institute Of Management Studies Deemed To Be University SVKM’s NMIMS V.L.Mehta Road,Vile Parle (W)</td></tr>
<tr><td></td><td>Year of Establishment: 2003</td><td>Location of the College: Vile Parle (W), Mumbai</td></tr>
<tr><td>A2.</td><td colspan="2">Institute Address:
SVKM’s NMIMS, Mukesh Patel School of Technology Management & Engineering
Behind Homeopathy College, Bhakti Vedant Swami Marg, Near Cooper Hospital, JVPD Scheme, Vile Parle (West)</td></tr>
<tr><td></td><td>City: Mumbai</td><td>State: Maharashtra</td></tr>
<tr><td></td><td></td><td>Website: https://engineering.nmims.edu</td></tr>
<tr><td></td><td>E-mail: Dean.MPSTME@nmims.edu</td><td>Phone No (with STD code: +91 22 42334000</td></tr>
<tr><td>A3.</td><td colspan="2">Name and Address of the Affiliating University (If any): -</td></tr>
<tr><td></td><td>Name of University: Shri Vile Parle Kelavani Mandals Narsee Monjee Institute Of Management Studies (Deemed To Be University)</td><td>City: Mumbai</td></tr>
<tr><td></td><td>State: Maharashtra</td><td>Pin Code: 400056</td></tr>
<tr><td>A4.</td><td colspan="2">Type of the Institution:
<table>
<tr><td>Institute of National Importance</td><td></td><td>Deemed University</td><td>✓</td></tr>
<tr><td>University</td><td></td><td>Autonomous</td><td></td></tr>
<tr><td>Non-Autonomous (Affiliated)</td><td></td><td>Any other (Please specify)</td><td></td></tr>
</table>
Provide Details: Deemed-to-be-University status in 2003 under Section 3 of University Grants Commission (UGC) Act.</td></tr>
<tr><td>A5.</td><td colspan="2">Ownership Status: -(Tick the applicable choice)
<table>
<tr><td>Central Government</td><td></td><td>State Government</td><td></td></tr>
<tr><td>Government Aided</td><td></td><td>Self financing</td><td>✓</td></tr>
<tr><td>Any Other (Please Specify)</td><td></td><td colspan="2" rowspan="2">Provide Details: Shri Vile Parle Kelavani Mandal (SVKM) is a Public Charitable Trust established in 1934 and registered under the Society’s Registration Act and Bombay Public Trust Act, India.</td></tr>
</table></td></tr>
<tr><td>A6.</td><td colspan="2">Details of all Programs being Offered by the Institution: -</td></tr>
<tr><td></td><td colspan="2">No. of UG programs: 11</td></tr>
<tr><td></td><td colspan="2">No. of PG programs: 03</td></tr>
</table>

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

S.N.	Level of program (UG/PG)	Name of the program	Year of Start	Year of close*	Name of the Department
1.	UG	B Tech in Information Technology	2006-07	NA	Information Technology
2.	UG	B Tech in Computer Engineering	2006-07	NA	Computer Engineering
3.	UG	B Tech in Electronics and Telecommunication Engineering	2006-07	NA	Electronics and Telecommunication Engineering
4.	UG	B Tech in Civil Engineering	2010-11	NA	Civil Engineering
5.	UG	B Tech in Mechanical Engineering	2010-11	NA	Mechanical Engineering
6.	UG	B Tech in Mechatronics Engineering	2014-15	NA	Mechatronics Engineering
7.	UG	B Tech in Data Science	2017-18	NA	Data Science
8.	UG	B Tech Computer Science and Business Systems	2019-20	NA	Computer Engineering
9.	UG	B Tech Computer Science and Engineering (Cyber Security)	2020-21	NA	Computer Engineering
10.	UG	B Tech in Artificial Intelligence	2020-21	NA	Artificial Intelligence
11.	UG	B Tech Computer Science and Engineering (Data Science)	2020-21	NA	Computer Engineering
12.	PG	M Tech in Data Science	2015-16	NA	Data Science
13.	PG	M Tech in Artificial Intelligence	2018-19	NA	Artificial Intelligence
14.	PG	MCA	2007-08	NA	Computer Engineering
15.	Integrated	MBA Technology Management	2004-05	NA	Technology Management

Note: - Please mention department wise.

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

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

Cluster ID	Department Name	Program Name
1.	Civil Engineering	B Tech in Civil Engineering
2.	Mechanical Engineering	B Tech in Mechanical Engineering
3.	Mechatronics Engineering	B Tech in Mechatronics Engineering
4.	Electronics and Telecommunication Engineering	B Tech in Electronics and Telecommunication Engineering

5.	Information Technology	B Tech in Information Technology

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

Cluster ID	Name of the Department (in table no. A7.1)	Name of allied Departments/Cluster (for table no. A7.1)
1.	Civil Engineering	NA
2.	Mechanical Engineering	Mechatronics Engineering
3.	Mechatronics Engineering	Mechanical Engineering
4.	Electronics and Telecommunication Engineering	NA
5.	Information Technology	Computer Engineering Data Science Artificial Intelligence

PART-B: Program information

(Data to be filled in for the program applied for Accreditation)

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

Table No. B1: Program details.

S. N.	Program Name	Year of start	Sanctioned Intake	Increase/ decrease in intake, if any	Year of increase/ decrease	AICTE Approval Details	Accreditation Status*	No. of times program accredited
1.	B Tech Civil Engineering	2010-11	60	-	-	Approved University (vide letter No. F.9-37/2001-U.3 dated 15th October, 2007) Institute (vide letter No. F. NO. 30-15/2007 (CPP-I) dated 13th August, 2008)	Applying first time	-

* Write applicable one:

- **Applying first time**
- Granted accreditation for 2/3 years for the period (specify period)
- Granted accreditation for 5/6 years for the period (specify period)
- Not accredited (specify visit dates, year).
- Withdrawn (specify visit dates, year)
- Not eligible for accreditation.

B2: Detail of Head of the Department for the program under consideration:

A. Name of the HoD : Dr. Meenal Mategaonkar

B. Nature of appointment: (Tick the applicable choice)

- **Regular** ✓
- **Contract**
- **Ad hoc**

C. Qualification: (Tick the applicable choice)

- **Ph.D.** ✓
- **ME/M.Tech**
- **Any other***

***Please provide details:** _____

B3: Program Details

Table No.B3.1: Admission details for the program excluding those admitted through multiple entry and exit points.

Item (Information is to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	CAY	CAYm1	CAYm2	CAYm3	CAYm4 (LYG)	CAYm5 (LYGm1)	CAYm6 (LYGm2)
N= Sanctioned intake of the program (as per AICTE /Competent authority)	60	48	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	40	14	26	37	36	30	45
N2= Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	14	11	10	8	9	14
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	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	40	28	37	47	44	39	59

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.

Item (Students enrolled in the First Year on average over 3 academic years (CAY, CAYm1, and CAYm2))	CAY	CAYm1	CAYm2
N= Sanctioned intake of the program in the 1st year (as per AICTE/Competent authority)	60	48	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	40	14	26
N4= Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0
Enrolment Ratio (ER)= (N1+N4)/N	ER_1	ER_2	ER_3
Average ER= (ER_1+ ER_2+ ER_3)/3	46		

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	LYG	LYGm1	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).	44	39	59
B=No. of students who graduated from the program in the stipulated course duration	33	35	52
Success Rate (SR)= (B/A)*100	SR_1	SR_2	SR_3
Average SR of three batches ((SR_1+SR_2+ SR_3)/3)	84.29		

Note ***:** If the value of A in Table No. B5.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of A in Table No.B5.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No.B3.1.

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	CAYm2	CAYm3
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)	6.99	6.9	7.13
Y= Total no. of successful students	10	23	21
Z = Total no. of students appeared in the examination	32	25	28
API = X* (Y/Z)	API_1	API_2	API_3
Average API = (API_1 + API_2 + API_3)/3	4.63		

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	CAYm2	CAYm3
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)	6.89	6.77	7.51
Y= Total no. of successful students	33	23	41
Z =Total no. of students appeared in the examination	37	28	43
API = X* (Y/Z)	API_1	API_2	API_3
Average API = (API_1 + API_2 + API_3)/3	6.29		

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	CAYm2	CAYm3
X= (Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.88	7.13	7.14
Y= Total no. of successful students	24	37	42
Z= Total no. of students appeared in the examination	27	38	42
API = X* (Y/Z)	AP_1	AP_2	AP_3
Average API = (API_1 + API_2 + API_3)/3	7.03		

B9: Placement, Higher Studies, and Entrepreneurship

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

Item	LYG	LYGm1	LYGm2
FS*=Total no. of final year students	36	35	52
X= No. of students placed	16	19	28
Y= No. of students admitted to higher studies	13	6	12
Z= No. of students taking up entrepreneurship	7	9	8
X + Y + Z =	36	34	48
Placement Index (P) = (((X + Y + Z)/FS) * 100)	P_1	P_2	P-3
Average placement index = (P_1 + P_2 + P_3)/3	94.47		

Note *: If the value of FS in Table No. B9.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of FS in Table No. B9.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No.B3.1.

Table No. 5A: Faculty details ((AY 2024-25)

S.N.	Name of the Faculty	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)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is " No")
1	Meenal Mategaonkar	Ph.D (Engineering)	IIT Bombay	Water resource Engg.	01-06-2012	12.8	Asst Professor	Professor	Professor w.e.f. 29.06.2022	Regular	Full Time	Yes	
2	Deoyani Joshi	M.Tech (Civil)	Mumbai University	Environmental Engineering	01-06-2011	13.8	Asst Professor	Asst Professor		Regular	Full time	Yes	
3	Prasad Gharat	M.E. (Civil)	Mumbai University	Structure Dynamics & earthquake Engineering	18-07-2011	13.1	Asst Professor	Asst Professor		Regular	Full time	Yes	
4	Manoj Anaokar	Ph.D (Engineering)	NMIMS, Deemed to be University	Geotechnical Engineering	20-07-2011	13.7	Asst Professor	Asst Professor	Associate Professor w.e.f. 30.06 2022	Regular	Full time	Yes	
5	Anand Daftardar	Ph.D (Engineering)	Mumbai University	Structure Engineering	01-11-2012	12.3	Asst Professor	Asst Professor		Regular	Full time	Yes	

6	Jigisha Vashi	Ph.D (Engineering)	Sardar Vallabhbhai National Institute of Technology	Geotechnical Engineering	09-04-2014	10.1	Asst Professor	Asst Professor		Regular	Full time	Yes	
7	Darshana Lade	M.E. (Civil)	South Gujarat University	Town & Regional Planning	24-09-2014	10.5	Asst Professor	Asst Professor		Regular	Full time	Yes	
8	Preeti Shrivastava	M.E. (Civil)	Mumbai University	Construction Mgmt.	17-11-2014	10.3	Asst Professor	Asst Professor		Regular	Full time	Yes	
9	Sunayana Sarkar	Ph.D (Earth Science)	IIT, Bombay	Structural Geology & Tectonics	11-02-2015	10	Asst Professor	Asst Professor		Regular	Full time	Yes	
10	Apurva Mehta	M.Tech (Civil)	Sardar Vallabhbhai National Institute of Technology	Water Resource Engg.	21-07-2015 16-11-2015	9.7	Asst Professor	Asst Professor		Regular	Full time	Yes	
11	Saurabh Pandit	M.Tech (Civil)	Mumbai University	Structure Engineering	01-07-2016	9.3	Asst Professor	Asst Professor		Regular	Full time	Yes	
12	Sapna Shah	M.Tech (Civil)	South Gujarat University	Structure Design	11-07-2016	8.7	Asst Professor	Asst Professor		Regular	Full time	Yes	
13	Rashmi Patel	M.Tech (Civil)	Sardar Vallabhbhai National Institute of Technology	Soil Mechanics & Foundation Engg.	27-11-2015	8.7	Asst Professor	Asst Professor		Regular	Full time	Yes	
14	Prachi Dixit	M.S. & M.Sc.	Mumbai University	Structure Engineering		9.3	Asst Professor	Asst Professor		Regular	Full time	Yes	

Table No. 5A: Faculty details ((AY 2023-24)

S.N.	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current	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)	If contractual mention Full time or (Part time or hourly	Currently Associated (Y/N)	Date of Leaving if any (In case
1	Meenal Mategaonkar	Ph.D (Engineering)	IIT Bombay	Water resource Engg.	01-06-2012	11.8	Asst Professor	Professor	Professor w.e.f. 29.06.2023	Regular	Full Time	Yes	
2	Deoyani Joshi	M.Tech (Civil)	Mumbai University	Environmental Engineering	01-06-2011	12.8	Asst Professor	Asst Professor		Regular	Full time	Yes	
3	Prasad Gharat	M.E. (Civil)	Mumbai University	Structure Dynamics & earthquake Engineering	18-07-2011	12.1	Asst Professor	Asst Professor		Regular	Full time	Yes	
4	Manoj Anaokar	Ph.D (Engineering)	NMIMS, Deemed to be University	Geotechnical Engineering	20-07-2011	12.7	Asst Professor	Asst Professor	Associate Professor w.e.f. 30.06 2022	Regular	Full time	Yes	
5	Anand Daftardar	Ph.D (Engineering)	Mumbai University	Structure Engineering	01-11-2012	11.3	Asst Professor	Asst Professor		Regular	Full time	Yes	
6	Jigisha Vashi	Ph.D (Engineering)	Sardar Vallabhbhai National Institute of Technology	Geotechnical Engineering	09-04-2014	9.1	Asst Professor	Asst Professor		Regular	Full time	Yes	

7	Darshana Lade	M.E. (Civil)	South Gujarat University	Town & Regional Planning	24-09-2014	9.5	Asst Professor	Asst Professor		Regular	Full time	Yes	
8	Preeti Shrivastava	M.E. (Civil)	Mumbai University	Construction Mgmt.	17-11-2014	9.3	Asst Professor	Asst Professor		Regular	Full time	Yes	
9	Sunayana Sarkar	Ph.D (Earth Science)	IIT, Bombay	Structural Geology & Tectonics	11-02-2015	9	Asst Professor	Asst Professor		Regular	Full time	Yes	
10	Apurva Mehta	M.Tech (Civil)	Sardar Vallabhbhai National Institute of Technology	Water Resource Engg.	21-07-2015	8.7	Asst Professor	Asst Professor		Regular	Full time	Yes	
11	Saurabh Pandit	M.Tech (Civil)	Mumbai University	Structure Engineering	16-11-2015	8.3	Asst Professor	Asst Professor		Regular	Full time	Yes	
12	Sapna Shah	M.Tech (Civil)	South Gujarat University	Structure Design	01-07-2016	7.7	Asst Professor	Asst Professor		Regular	Full time	Yes	
13	Rashmi Patel	M.Tech (Civil)	Sardar Vallabhbhai National Institute of Technology	Soil Mechanics & Foundation Engg.	11-07-2016	7.7	Asst Professor	Asst Professor		Regular	Full time	Yes	
14	Prachi Dixit	M.S. & M.Sc.	Mumbai University	Structure Engineering	27-11-2015	8.3	Asst Professor	Asst Professor		Regular	Full time	Yes	

Table No. 5A: Faculty details ((AY 2022-23)

S.N.	Name of the Faculty	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	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is " No")
1	Meenal Mategaonkar	Ph.D (Engineering)	IIT Bombay	Water resource Engg.	01-06-2012	10.8	Asst Professor	Professor	Professor w.e.f. 29.06.2022	Regular	Full Time	Yes	
2	Deoyani Joshi	M.Tech (Civil)	Mumbai University	Environmental Engineering	01-06-2011	11.8	Asst Professor	Asst Professor		Regular	Full time	Yes	
3	Prasad Gharat	M.E. (Civil)	Mumbai University	Structure Dynamics & earthquake Engineering	18-07-2011	11.1	Asst Professor	Asst Professor		Regular	Full time	Yes	
4	Manoj Anaokar	Ph.D (Engineering)	NMIMS, Deemed to be University	Geotechnical Engineering	20-07-2011	11.7	Asst Professor	Asst Professor	Associate Professor w.e.f. 30.06 2022	Regular	Full time	Yes	
5	Anand Daftardar	Ph.D (Engineering)	Mumbai University	Structure Engineering	01-11-2012	10.3	Asst Professor	Asst Professor		Regular	Full time	Yes	

6	Jigisha Vashi	Ph.D (Engineering)	Sardar Vallabhbhai National Institute of Technology	Geotechnical Engineering	09-04-2014	8.1	Asst Professor	Asst Professor		Regular	Full time	Yes	
7	Darshana Lade	M.E. (Engineering)	South Gujarat University	Town & Regional Planning	24-09-2014	8.5	Asst Professor	Asst Professor		Regular	Full time	Yes	
8	Preeti Shrivastava	M.E. (Engineering)	Mumbai University	Construction Mgmt.	17-11-2014	8.3	Asst Professor	Asst Professor		Regular	Full time	Yes	
9	Sunayana Sarkar	Ph.D (Earth Science)	IIT, Bombay	Structural Geology & Tectonics	11-02-2015	8	Asst Professor	Asst Professor		Regular	Full time	Yes	
10	Apurva Mehta	M.Tech (Civil)	Sardar Vallabhbhai National Institute of Technology	Water Resource Engg.	21-07-2015	6.7	Asst Professor	Asst Professor		Regular	Full time	Yes	
11	Saurabh Pandit	M.Tech (Civil)	Mumbai University	Structure Engineering	16-11-2015	6.3	Asst Professor	Asst Professor		Regular	Full time	Yes	
12	Sapna Shah	M.Tech (Civil)	South Gujarat University	Structure Design	01-07-2016	6.7	Asst Professor	Asst Professor		Regular	Full time	Yes	
13	Rashmi Patel	M.Tech (Civil)	Sardar Vallabhbhai National Institute of Technology	Soil Mechanics & Foundation Engg.	11-07-2016	.7	Asst Professor	Asst Professor		Regular	Full time	Yes	
14	Prachi Dixit	M.S. & M.Sc.	Mumbai University	Structure Engineering	27-11-2015	9.3	Asst Professor	Asst Professor		Regular	Full time	Yes	

- PG_1=1st PG program.
- PG_m=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)).

Table No.C2.1: Student-faculty ratio.

Year	**CAY**	**CAYm1**	**CAYm2**
UG_1. B program // 2nd year students of UG_1	66	53	66
UG_1. C program // 3rd year students of UG_1	53	66	66
UG_1. D program // 4th year students of UG_1	66	53	66
UG_1 // Total no.of students(2nd, 3rd, 4th) in UG_1 program	UG_1.B+ UG_1.C+ UG_1.D	UG_1.B+ UG_1.C+ UG_1.D	UG_1.B+ UG_1.C+ UG_1.D
…			
UG_n. B program // 2nd year students of UG_n			
UG_n. C program // 3rd year students of UG_n			
UG_n. D program // 4th year students of UG_n			
UG_n // Total no.of students(2nd, 3rd, 4th) in UG_n program	UG_n.B+UG_n.C+UG_n.D	UG_n.B+UG_n.C+UG_n.D	UG_n.B+UG_n.C+UG_n.D
PG_1. A program // 1st year students of PG_1			
PG_1. B program // 2nd year students of PG_1			
PG_1 // Total no.of students(1st, 2nd) in PG_1 program	PG_1.A+ PG_1.B	PG_1.A+ PG_1.B	PG_1.A+ PG_1.B
…..			
PG_m. A program // 1st year students of PG_m			
PG_m. B program // 2nd year students of PG_m			
PG_m // Total no.of students(1st, 2nd) in PG_m program	PG_m.A+ PG_m.B	PG_m.A+ PG_m.B	PG_m.A+ PG_m.B
DS=Total no. of students in all UG and PG programs in the Department	…..	…..	…..
AS=Total no. of students of all UG and PG programs in allied departments	…..	…..	…..
S=Total no. of students in the Department (DS) and allied departments (AS)	S1=UG_1+UG_2+.. +UG_n+PG_1 + …PG_m = 185	S2=UG_1+UG_2+.. +UG_n+PG_1 + …PG_m = 172	S3=UG_1+UG_2+.. +UG_n+PG_1 + …PG_m = 198
DF=Total no. of faculty members in the Department	14	14	14
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	F1	F2	F3

FF=The faculty members in F who have a 100% teaching load in the first-year courses	FF1	FF2	FF3
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= S1/(F1-FF1) =13.21	SFR2=S2/(F2-FF2) = 12.29	SFR3=S3/(F3-FF3) = 14.14
Average SFR for 3 years	Average SFR=(SFR1+SFR2+SFR3)/3 = 13.21		

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	FQI= 2.5 * [(10X +4Y)/RF]
CAY	5	9	10	21.5
CAYm1	5	9	8	26.9
CAYm2	6	9	10	24

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 Faculty(RF1)	Available Faculty(AF1)	Required Faculty(RF2)	Available Faculty(AF2)	Required Faculty(RF3)	Available Faculty(AF3)
CAY	1	1	2	1	6	12
CAYm1	1	1	2	1	6	12
CAYm2	1	1	2	1	6	12
Average Numbers	RF1=1	AF1=1	RF2=2	AF2=1	RF3=6	AF3=12

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.

S.N.	Name of the Person	Designation & Organization	Name of the Course	No. of hours handled
CAYm1				
1	Vishesh Shah	Co-Founder - BuildSmart Technologies	Revit/ BIM training	50
2	Tarun Kehair	Founder, Teekay Services		45

			Total no. of hours:	**95**
CAYm2				
1	Vishesh Shah	BuildSmart Technologies (Co-Founder)	Revit/ BIM training	45
2	Shashikant SANKHE	Assistant General Manger [Process Developement] Nicholas Piramal India Ltd	Elements of BioT1:B.Tech Civil:Sem III	45
3	Pooja Lalwani	Legal Associates at Kanga & Co	Principles of Economics and ManT1-BT CIV	45
			Total no. of hours:	**135**

CAYm3				
1	Smitesh Gharat	Marketing Manager at Accenture	Management Account for Eng T1-BT CIV S	30
2	Ajinkya Magdum	AVP ANAROCK Bussiness Development Manager	Studio on Const Project Management P1-BT CIV BT 2	60
3	Mr. Milan Kumar	Center Manager, CADD Centre Borivali	Revit/ BIM training	45
			Total no. of hours:	**135**

C6: Academic Research

Table No. C6.1: Faculty publication details.

S.N.	Item	CAYm1	CAYm2	CAYm3
1	No. of peer reviewed journal papers published	06	02	02
2	No. of peer reviewed conference papers published	04	03	02
3	No. of books/book chapters published	11	02	01

C7: Sponsored Research Project

Table No. C7.1: List of sponsored research projects received from external agencies.

S.N.	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)
CAYm1							
1	Dr. Sunayana Sarkar	Nil	Civil Engineering	Reforestation/Afforestation using geospatial analysis and machine learning principles of artificial intelligence to generate	Balipara Foundation	January 2024 to December 2025	20 lakhs

				templates of native tree species diversity			
						Amount received (Rs.)	**20 lakhs**
CAYm2							
1	Dr. Sunayana Sarkar	Nil	Civil Engineering	Reforestation/Afforestation using geospatial analysis and machine learning principles of artificial intelligence to generate templates of native tree species diversity	Balipara Foundation	January 2024 to December 2025	20 lakhs
						Amount received (Rs.)	**20 lakhs**
CAYm3							
1	Dr. Sunayana Sarkar	Nil	Civil Engineering	Study of Shear Zone Kinematics in the Shillong Plateau Tectono-seismic implications and its bearing upon landslide hazards in the Northeast Region, India	DST	October 2020 to March 2024	25 lakhs
						Amount received (Rs.)	**25 lakhs**
						Total Amount (Lacs) Received for the Past 3 Years	**45 lakhs**

C8: Consultancy Work

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

S.N.	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)

CAYm1							
1	Deoyani Joshi	NA	Department of Civil Engineering	Baseline EIA for Tidal Regulator construction on River Purna at Nausari Gujarat	IIT Bombay, Civil Engineering Department	2 monts	2,30,000
2	Meenal Mategaonkar	NA	Department of Civil Engineering	Groundwater Modelling for Bhadanpur Limestone Mine	J.M. Environet Pvt.Ltd.	15 days	2,00,000
						Amount received (Rs.)	**4,30,000**
CAYm2							
1	Deoyani Joshi	NA	Department of Civil Engineering	Noise Monitoring and mitigation for Second Chemical Berth Navigation Channel Dredging at Mumbai Port Trust	IIT Bombay, Civil Engineering Department	2 months	3,00,000
2	Deoyani Joshi	NA	Department of Civil Engineering	Baseline EIA for construction Barrage on River Tapi at Piplod Surat	IIT Bombay, Civil Engineering Department	3 months	2,30,000
3	Meenal Mategaonkar	NA	Department of Civil Engineering	Groundwater Modelling for Naokari Limestone mine	J.M. Environet Pvt .Ltd.	15 days	2,00,000
						Amount received (Rs.)	**7,30,000**
CAYm3							
1	Meenal Mategaonkar	NA	Department of Civil Engineering	Groundwater Modelling for Prism cement Limestone Mine	J.M. Environet Pvt .Ltd.	15 days	2,00,000
						Amount received (Rs.)	**2,00,000**
						Total amount (Lacs) received for the past 3 years	**13,60,000**

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.

S.N.	Faculty name	Project title/ Support for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the project
CAYm1						
1	Dr. Sunayana Sarkar	Using Camera trap images to segregate large animal species for Species census in Sanjay Gandhi National Park, Mumbai	1 Year	1,38,000	1,38,000	Conference Paper
2	Dr. Jigisha Vashi	Ankush Agrawal	1 Year	1,00,000	1,00,000	Conference Paper
Amount received (Rs.) 2,38,000						
CAYm2						
1	Prof. Preeti Shrivastava	Case study on water quality index for wastewater treatment in Mumbai	2 years	2,00,000	2,00,000	Journal Paper
2	Dr. Sunayana Sarkar	Climate Change and precipitation triggered landslides in built-up urban spaces: A case study in the Mumbai Metropolitan Area	2 years	2,00,000	2,00,000	Conference Paper
Amount received (Rs.)					**4,00,000**	
CAYm3						
1	Prof. Prasad Gharat	Experimentation for light weight concrete	1 Year	1,00,000	1,00,000	Concrete Canoe Project
2	Dr. Manoj Anaokar	Comparative Study of Efficacy of Marble Powder and Lime as Stabilizers for Expansive Soils	1 Year	1,00,000	1,00,000	Journal Paper
3	Dr. Anand Daftardar	Design of a cricket pitch using geo-synthetics	1 Year	1,00,000	1,00,000	Conference Paper
4	Prof. Sapna Shah	Development of Sustainable Concrete Using Waste paper and Waste glass	2 years	2,00,000	2,00,000	Conference Paper
5	Dr. Meenal Mategaonkar	Innovative Utilization of Plastic Waste in Sustainable Construction: Development of Interlocking Plastic Bricks	2 years	2,00,000	2,00,000	Conference Paper
6	Prof Darshana Lade	Comparative Study of Ferrocement Slab	2 years	2,00,000	2,00,000	Conference Paper
Amount received (Rs.)					**9,00,000**	
Total amount (Lacs) received for the past 3 years					**15,38,000**	

PART-D: Laboratory Infrastructure in the Department

D1: Adequate and Well-Equipped Laboratories, and Technical Manpower

Table No.D1.1: List of laboratories and technical manpower.

S. N.	Name of the Laboratory	No. of student s per setup (Batch Size)	Name of the major 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 Engineering	4	1. Liquid Limit apparatus 2. Plastic Limit apparatus 3. Shrinkage Limit apparatus 4. Heavy weight & Light weight compaction apparatus 5. core cutter with dolly and rammer 6. Pycnometer & Density bottles 7. Mechanical sieve Shaker 8. Tri-axial test apparatus 9. Consolidation test apparatus 10. Direct shear test apparatus 11. Swell pressure test apparatus 12. California bearing ratio 13. Brazilian test apparatus 14. Hot air oven 15. Weighing scales- 30 kg, 20kg and 3kg	4	Milind Sable	Laboratory Assistant	ITI & Diploma in Civil Engg.

2.	Transportation Engineering	4	1. Marshall apparatus with extractor and moulds 2. Asphalt mixer 3. Impact testing machine for aggregate 4. Abrasion testing machine 5. Ring & ball apparatus 6. Universal penetrometer 7. Thickness and length gauge	4	Milind Sable	Laboratory Assistant	ITI & Diploma in Civil Engg.
3.	Environmental Engineering	4	1. Digital COD testing digester 2. Jar test apparatus 3. BOD testing setup 4. Water hardness testing apparatus 5. Turbidity meter 6.Spectrophotometer 7. Water testing kits	4	Milind Sable	Laboratory Assistant	ITI & Diploma in Civil Engg.
4.	Fluid Mechanics, Hydraulic Machinery and Hydraulic Engineering Laboratory	4	1. Rotameter 2. Bernoulli's theorem setup 3. Notch apparatus 4. Venturi-meter and Orifice-meter apparatus 5. Reynolds apparatus 6. Archimedes principle apparatus 7. Metacentric height setup 8. Orifice & Mouthpiece apparatus 9. Losses in pipe flow setup 10. Tilting flume (2.5 m long) 11. Impact of jet apparatus 12. Gear pump test rig 13. Francis turbine test rig 14. Centrifugal pump test rig 15. Reciprocating pump test rig 16. Pelton wheel turbine test rig	4	Prakash Jadhav	Laboratory Assistant	BE Civil Engg.
5.	Surveying Laboratory	4	1. Total station 2. Theodolite (standard and digital) 3. Plane table set 4. Chains and tapes 5. Prismatic compass 6. Levelling staff 7. Auto Level 8. Hand held laser distance meter	4	Prakash Jadhav	Laboratory Assistant	BE Civil
6.	Engineering Mechanics Laboratory	4	1. Combined inclined plane & friction slide apparatus 2. Simple fly wheel 3. Compound pendulum 4. Simple screw jack 5. Bell crank lever 6. Universal force table 7. Simple jib crane apparatus 8. Simply supported beam apparatus 9. Polygon law of force apparatus	4	Prakash Jadhav	Laboratory Assistant	BE Civil

7.	Geology Laboratory	4	1. Hammer 2. Chisel 3. Clinometer Compass 4. Brunton Compass	4	Prakash Jadhav	Laboratory Assistant	BE Civil
8.	Strength of Material	4	1. Torsion testing machine 2. Rockwell cum Brinell hardness testing machine 3. Izod impact testing machine 4. Universal Testing Machine	4	Vidya Raul	Lab Assistant	BE Civil
9.	Concrete Technology	4	1. Compression Testing machine 2. Compaction Factor Apparatus 3. Flow Table For Concrete 4. Vee bee consistometer 5. Vibrating Table 6. Hot air oven Thermostatic 7. Vibrating Machine with Digital timer 8. Water-bath for Soundness 9. Sieve Shaker with digital Timer 10. Pan type concrete mixer 11.Vicat apparatus 12. Mortar mixer	4	Vidya Raul	Laboratory Assistant	BE Civil

D2: `Safety Measures in Laboratories

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

S.N.	Name of the Laboratory	Safety measures
	General Instructions	• Follow Instructions: Always follow the instructions given by your teacher or faculty. Do not operate any instrument without permission. • Use Equipment Properly: Use laboratory equipment only for its intended purpose and do not perform unauthorized experiments. • Wear Proper Safety Gear: Wear appropriate personal protective equipment, such as gloves, safety goggles, masks, and proper footwear. Avoid loose clothing and jewelry. • Maintain Cleanliness: Keep the workspace clean and tidy. Clean up spills immediately and dispose of waste properly. • No Food or Drinks: Eating, drinking, smoking, and applying cosmetics are not allowed in the laboratory. • No Fooling Around: Running, shouting, practical jokes, and horseplay are strictly prohibited in the laboratory. • Report Accidents Immediately: Any injuries or equipment failures should be reported to the faculty immediately. Do not attempt to fix broken equipment yourself. • Be Aware of Safety Equipment: Know the location of fire exits, extinguishers, and first aid kits. Follow emergency procedures if required. • Keep a Safe Distance: Maintain a safe distance from equipment and avoid direct contact with hazardous materials. Do not put hands or body parts in moving or dangerous areas. • No Unauthorized Use of Electronics: The use of cell phones, personal audio or video equipment is prohibited while working in the lab.
1.	Geotechnical Engineering	• Do not operate any machine without staff permission. • Keep hands and head away from running equipment. • Wear masks and gloves while handling soil and chemicals. • Use cloth gloves when handling hot containers and trays. • Keep work areas clean and avoid spilling soil on the floor. • Do not eat, drink, or apply cosmetics in the lab. • Report all accidents immediately to the teacher. • Use equipment only for its intended purpose. • Wear closed-toe shoes for protection. • Know the location of fire exits and extinguishers.
2.	Transportation Engineering	• Follow all instructions given by the teacher. • Take prior permission before handling any instrument. • Keep a safe distance from machines to avoid injury. • Wear shoes that cover the whole foot. • Be aware of experiment controls (start/stop buttons, speed control). • Do not engage in practical jokes or loud behavior. • The use of cell phones or personal audio devices is prohibited. • Do not touch unfamiliar equipment to avoid damage and injury. • Ensure your setup is verified before starting any experiment. • First aid kit is available on the floor.
3.	Environmental Engineering	• Obtain faculty permission before using any instrument. • Do not eat, drink, or chew gum in the laboratory. • Wear gloves, a nose mask, and safety goggles when conducting experiments. • Conduct yourself responsibly at all times. • Avoid wearing loose clothing that may get caught in equipment. • Never touch chemicals or equipment without instructions. • Keep work areas clean and organized. • The use of cell phones or personal audio devices is prohibited. • Do not engage in horseplay or disruptive behavior. • A first aid kit is available for emergencies.
4.	Fluid Mechanics, Hydraulic Machinery and Hydraulic Engineering Laboratory	• Obtain prior faculty approval before using instruments. • Keep a safe distance from rotating equipment. • Do not touch unknown equipment to avoid injury. • Take care to prevent water spillage on the floor. • Avoid crowding around equipment and running inside the lab. • Report any malfunctioning equipment immediately.

		• Loose clothing and jewelry must not be worn around rotating parts. • Keep the workspace clean and free of obstructions. • Do not immerse hands or body parts in water during experiments. • Switch off equipment when not in use.
5.	Surveying Laboratory	• Follow all instructions provided by the teacher. • Wear shoes with non-slip soles for better stability. • Inspect the instrument before taking it to the field. • Do not operate any instrument without proper knowledge. • Do not overtighten screws on equipment. • Follow standard signals and avoid shouting in the field. • Use surveying equipment only for its intended purpose. • Ensure personal safety while working in the field. • Report any equipment failure immediately. • Unauthorized experiments are strictly prohibited.
6.	Engineering Mechanics Laboratory	• Follow all lab instructions given by the teacher. • Do not engage in horseplay or reckless behavior. • Avoid eating, drinking, or chewing gum in the lab. • Wear properly fitted clothing to prevent accidents. • Keep a safe distance from machinery to prevent injury. • Obtain permission before handling any instrument. • Never use lab equipment for unintended purposes. • Cell phone use is prohibited in the lab. • Report all equipment failures immediately. • Shoes must be worn at all times in the lab.
7.	Geology Laboratory	• Follow all instructions and precautions while inside the lab. • Never lean, hang over, or sit on lab tables. • Obtain faculty permission before using instruments. • Maintain a safe distance from all equipment. • Do not run or crowd around instruments in the lab. • Avoid handling unfamiliar materials or chemicals. • Keep workspaces clean and tidy at all times. • Report any injuries immediately. • Practical jokes and roughhousing are strictly prohibited. • Eating, drinking, or chewing gum is not allowed in the lab.
8.	Strength of Material	• Safety shoes must be worn at all times. • Helmets must be used during load tests. • Load tests must only be conducted under supervision. • No materials or equipment should be used without permission. • Ensure that equipment is properly secured before use. • Report any faulty equipment to the instructor immediately. • Maintain a clean and organized workspace. • Avoid handling equipment roughly to prevent damage. • Do not exceed the recommended limits on testing machines. • Always follow proper lifting techniques when handling heavy objects.
9.	Concrete Technology	• Keep tools and equipment neatly organized in designated areas. • Clean up the workspace and remove waste materials after use. • Always return safety gear and tools to their proper storage. • Wear gloves and protective gear while handling concrete materials. • Avoid spilling materials to maintain a clean and safe environment. • Do not mix or handle chemicals without proper instructions. • Ensure the workspace is dry and free of unnecessary items. • Follow all safety guidelines before starting an experiment. • Do not leave tools or samples unattended. • Report any spills or safety hazards immediately.

D3: Project Laboratory/Research Laboratory

Table No. D3.1: List of project laboratory/research laboratory /Centre of Excellence.

S.N.	Name of the Laboratory
1.	3D Printing Lab
2.	VIP labs
3.	EPICS Studio
4.	Common Component Studio (CCS)

PART E: Fist Year faculty and financial Resources.

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))/RF4
CAY 2024-25	1080	54	52	25	0.86
CAYm1 2023-24	1080	54	52	25	0.86
CAYm2 2022-23	1080	54	49	25	0.82

E2: Budget Allocation, Utilization, and Public Accounting at Institute Level

Table No. E2.1: Budget and actual expenditure incurred at Institute level.

Items	Budget in CFY 24-25	Actual expenses in CFY - 24-25	Budget in CFYm1 23-24	Actual Expenses in CFYm1 23-24	Budget in CFYm2 22-23	Actual Expenses in CFYm2 22-23	Budget in CFYm3 21-22	Actual Expenses in CFYm3 21-22
Infrastructure Built-Up	13,770	0	14,075	0	10,651.44	13,583.53	6,900	13,505.59
Library	80	60.02	75	83.86	70	71.98	65	44.19
Laboratory equipment	65	22.82	600	123.43	280	15.01	380	90.79
Teaching and non-teaching staff salary	5,909.55	4,546.21	5,824.88	4,799.17	5,371.52	4,705.70	4,519.73	4,233.24
Outreach Programs	35.00	33.45	67.50	57.99	55.00	51.24	50.00	17.38
R&D	30	14.58	50	7.17	30	9.05	20	7.75
Training, Placement and Industry linkage	65	19.36	60	32.15	48	67.96	29	37.3
SDGs	35	33.45	67.5	57.99	55.00	51.24	50.00	17.38
Entrepreneurs hip								
Others*, pl. specify (DEP ON ASSET, RES & MAINT, ADM EXPNS, MUNICIPAL TAXES, OTHE R INCIDETALA EXP)	6,44,7.99	18,012.85	4,413.99	26,165.90	4,570.10	4,858.76	3,367.67	3,468.15
Total amount	**26,437.54**	**22,742.73**	**25,233.87**	**31,327.66**	**21,131.06**	**23,414.47**	**15,381.40**	**21,421.77**

E3: Budget Allocation, Utilization, and Public Accounting at Program Specific Level

Table No. E3.1: Budget and actual expenditure incurred at program level.

Items	Budget in CFY 24-25	Actual expenses in CFY - 24-25	Budget in CFYm1 23-24	Actual Expenses in CFYm1 23-24	Budget in CFYm2 22-23	Actual Expenses in CFYm2 22-23	Budget in CFYm3 21-22	Actual Expenses in CFYm3 21-22
Laboratory	1.50	0.53	11.84	2.43	6.41	0.34	11.61	2.77
Software	0.35	0.02	0.49	0.14	0.57	0.01	0.61	0.04
SDG	1.61	1.54	2.66	2.29	2.52	2.35	3.06	1.06
Support for faculty Development	1.38	0.54	1.18	0.14	1.37	0.05	1.53	0.23
R&D	0.69	0.34	0.99	0.14	0.69	0.21	0.61	0.24
Industrial Training, industry expert, Internship	1.50	0.45	1.18	0.63	1.10	1.56	0.89	1.14
Mis Expenses	148.66	404.77	87.08	138.68	104.68	111.22	102.91	105.87
Total	**157.53**	**409.57**	**106.90**	**146.12**	**118.95**	**117.38**	**123.20**	**112.70**