

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:

A1: Name of the Institute: -

**MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY (MANIT), BHOPAL, MP
(Autonomous Institution & an Institute of National Importance)**

Year of Establishment : 1960

Location of the Institute: Bhopal

A2: Institute Address: -

City : Bhopal

State : Madhya Pradesh

Pin Code : 462003

Website: www.manit.ac.in

E-mail : info@manit.ac.in

Phone No (with STD Code):

A3: Name and Address of the Affiliating University (If any): -

Name of the University : NA

City : NA

State : NA

Pin Code: NA

A4: Type of the Institution: - (Tick the applicable choice)

Institute of National Importance

Deemed University

University

Autonomous

Non-Autonomous (Affiliated)

Any other (Please specify) *

***Provide Details:** _____

A5: Ownership Status: - (Tick the applicable choice)

Central Government

State Government

Government Aided

Self-financing

Any Other (Please specify) *

***Provide Details:** _____

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

- ❖ No. of UG programs: 12
- ❖ No. of PG programs: 31

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
UG Programs					
1	UG	B.Tech	1960	running	Civil Engineering
2		B.Tech	1960	running	Mechanical Engineering
3		B.Tech	1960	running	Electrical Engineering
4		B.Tech	1972	running	Electronics and Communication Engineering
5		B.Tech	1986	running	Computer Science & Engg.
6		B.Tech	2007	running	Materials & Metallurgical Engineering
7		B.Tech	2007	running	Chemical Engineering.
8		B.Arch.	1963	running	Architecture & Planning
9		B.Plan.	2007	running	Architecture & Planning
10		B.Plan.	2025	running	Energy and Electrical Vehicle Engineering
11		B.Tech. and M.Tech. in Mathematics and Data Science (Dual Degree)	2021	running	Mathematics, Bioinformatics & Computer Applications
12		B.Tech. and M.Tech. in Engineering and Computational Mechanics (Dual Degree)	2025	running	Department of Mechanical Engineering
13	PG (M.Plan)	Urban Planning	2011	running	Architecture & Planning
14		Housing	2012	2025	
15		Real Estate Development	2025	running	
16	PG (M.Tech)	Bio-Technology	2012	running	Biological Science and Engineering
17		Chemical Engineering	2012	running	Chemical Engineering
18		Geo-Informatics & its Applications	2006	running	Civil Engineering
19		Structural Engineering	2006	running	
20		Environmental Engineering	2006	running	
21		Geotechnical Engineering	1968	running	
22		Hydropower Engineering	1966	2025	

23		Infrastructure Engineering and Construction Management	2025	running	
24		Transportation Engineering	2007	running	
25		Water Resources Engineering and Management	2012	running	
26		Smart Manufacturing	2021	running	Centre of Excellence in Product Design & Smart Manufacturing
27	M.Tech	Artificial Intelligence	2019	running	Centre for Artificial Intelligence
28		Information Security	2006	running	Computer Science & Engineering
29		Advanced Computing	2012	running	
30		Computer Networking	2012	running	
31		Digital Communication	1989	2024	
32		Communication Systems	2024	running	
33		VLSI Design & Embedded System	2006	running	
34		Electrical Drives	2006	2024	Electrical Engineering
35		Integrated Power System	2024	running	
36		Power System	1996	2024	
37		Power Electronics and Drives	2024	running	
38		Renewable Energy	1997	running	Energy Centre
39		Energy System Management	2018	2025	
40		Material Science & Technology	2012	running	Materials & Metallurgical Engineering
41		Thermal Engineering	1996	running	Mechanical Engineering
42		Machine Design	2025	running	
43		Industrial Design	1996	2025	
44		Automation & Robotics	2022	running	
45		Industrial Engineering & Management	2022	running	
46		Bioinformatics	2006	running	Mathematics, Bioinformatics & Computer Applications
47	Agile Software Engineering	2022	running		
48	Nano Technology	2006	running	Physics	
49	PG(MBA)	Master of Business Administration	2006	running	Management Studies
50	PG(MCA)	Master of Computer Applications	1987	running	Mathematics, Bioinformatics & Computer Applications

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

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

Cluster ID.	Name of the Department	Name of the Program
1.	Civil Engineering	B.Tech (Civil Engineering)

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)
1.	Nil	Nil

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.	Civil Engineering	1960	60	92,106,113	92 (2009,2010,2011 till 2018), 106 (2019,2020 onwards), 113 (2020, 2021 onwards)	-	Accredited till 30 June 2025	02

* 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. Mrityunjay Singh Chauhan

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)	101	113	113	113	114	114	103
N1= Total no. of students admitted in the 1 st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	101	112	106	103	108	110	99
N2= Number of students admitted in 2 nd year in the same batch via lateral entry including leftover seats	-	-	-	-	-	-	-
N3= Separate division if any	-	-	-	-	-	-	-
N4= Total no. of students admitted in the 1 st year via all supernumerary quotas	-	-	-	-	-	-	-
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	101	112	106	103	108	110	99

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 1 st year (as per AICTE/Competent authority)	101	113	113
N1= Total no. of students admitted in the 1 st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	101	112	106
N4= Total no. of students admitted in the 1 st year via all supernumerary quotas	-	-	-
Enrolment Ratio (ER)= (N1+N4)/N	1	0.991	0.938
Average ER= (ER_1+ ER_2+ ER_3)/3	0.9764 or 97.64%		

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 1 st year of that batch and those actually admitted in the 2 nd 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).	108	99	92
B=No. of students who graduated from the program in the stipulated course duration	101	99	91
Success Rate (SR)= (B/A)*100	SR_1 93.51	SR_2 100	SR_3 98.91
Average SR of three batches ((SR_1+SR_2+ SR_3)/3)	97.47		

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 1 st 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 1 st year/10)	7.51	7.38	7.83
Y= Total no. of successful students	101	98	102
Z = Total no. of students appeared in the examination	111	103	106
API = X* (Y/Z)	AP1 (6.83)	AP2 (7.02)	AP3 (7.53)
Average API = (API_1 + API_2 + API_3)/3	7.08		

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	CAYm2	CAYm3
X= (Mean of 2 nd 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 2 nd year/10)	7.72	7.38	7.91
Y= Total no. of successful students	101	88	105
Z =Total no. of students appeared in the examination	103	102	108
API = X* (Y/Z)	AP1 (7.57)	AP2 (6.37)	AP3 (7.61)
Average API = (API_1 + API_2 + API_3)/3	7.18		

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 3 rd 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 3 rd year/10)	7.45	7.83	8.31
Y= Total no. of successful students	98	104	101
Z= Total no. of students appeared in the examination	102	108	106
API = X* (Y/Z)	7.15	7.54	7.91
Average API = (API_1 + API_2 + API_3)/3	7.53		

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	107	109	96
X= No. of students placed	65	69	58
Y= No. of students admitted to higher studies	22	6	0
Z= No. of students taking up entrepreneurship	0	0	0
X + Y + Z =	87	75	58
Placement Index (P) = (((X + Y + Z)/FS) * 100)	81.3	68.8	60.4
Average placement index = (P_1 + P_2 + P_3)/3	70.2		

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.

C1.

PART C: Faculty Details in Department and Allied Departments
(Data to be filled in for the **Department and Allied Departments**)

Faculty details of Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

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	Nature of Association (Regular/Contract/Ad hoc)	If contractual mention Full time or Part time	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is " No")
1	Dr. N. Dindorker	Ph.D	DAVV Indore	Soil Mechanics	28/10/1985	39 Year	Lecturer	Professor	Jan 2003	Regular	Nil	Y	30-01-2026
2	Dr. S.K. Dubey	Ph.D	Barkatullah university, Bhopal	Structural Engg.	02/06/1992	33 Year	Associate Professor	Professor	10/03/2003	Regular	Nil	Y	31-07-2025
3	Dr. A.K. Sharma	Ph.D	UOR Roorkee (IIT Roorkee)	Environmental Engg.	06/10/1989	36 Year	Lecturer	Professor	30/07/2007	Regular	Nil	Y	-
4	Dr. V. Prasad	Ph.D	RGPV, Bhopal	Hydro Power & Water Resources	03/07/1992	33 Year	JRF	Professor	01/01/2010	Regular	Nil	Y	-
5	Dr. M.S Hora	Ph.D	RGPV, Bhopal	FEM, Soil Structural Engg Interaction	07/10/1994	31 Year	Lecturer	Professor	04/06/2011	Regular	Nil	Y	-

6	Dr. P.K. Jain	Ph.D	UOR Roorkee	Geo technical Engg.	06/01/1995	30.5 Year	Lecturer	Professor	06/01/2011	Regular	Nil	Y	-
7	Dr. S.K. Katiyar	Ph.D	IIT Kanpur	Geomatics Engg.(Remote Sensing, GIS & GPS)	06/08/1994	31 Year	Lecturer	Professor	23/01/2011	Regular	Nil	Y	-
8	Dr. P.K. Agarwal	Ph.D	IIT Kanpur	Transportation Engineering	18/07/1994	31 Year	Lecturer	Professor	18/7/2011	Regular	Nil	Y	-
9	Dr. Mukul Kulshrestha	Ph.D	IIT Delhi	Environmental Engg.	27/09/1994	31 Year	Lecturer	Professor	Sept. 2012	Regular	Nil	Y	-
10	Dr. M.S. Chauhan	Ph.D	IIT Bombay	Environmental Engg.	01/12/1995	30 Year	Lecturer	Professor	Sept. 2012	Regular	Nil	Y	-
11	Dr. Jyoti Sarup	Ph.D	Bbarkatullah university , Bhopal	Remote Sensing, G.I.S, Photography, Microwave RS	02/06/2010	15.5 Year	Associate Professor	Professor	24/02/2020	Regular	Nil	Y	-
12	Dr. H.L. Tiwari	Ph.D	MANIT, Bhopal	Hydraulic, Fluid Mechanics & Water Resources Engineering	18/07/2005	20.5 Year	Lecturer	Professor	21/12/2023	Regular	Nil	Y	-
13	Dr, Ruchi Khare	Ph.D	MANIT, Bhopal	Water Resources and hydro power Engineering	29-06-1991	37.5 Year	Lecture	Professor	21/12/2023	Regular	Nil	Y	-
14	Dr. M.K. Choudhary	Ph.D	IIT Roorkee	Water Resources Engineering	17/02/1997	28.5 Year	Lecturer	Professor	24/12/2024	Regular	Nil	Y	-
15	Dr. Siddharth	Ph.D	MANIT Bhopal	Transportation	11/02/2003	22.5 Year	Lecturer	Professor	30/12/2024	Regular	Nil	Y	-

	Rokade			Engg									
16	Dr. Rakesh Kumar	Ph.D	MANIT Bhopal	Geotechnical Engineering	14/02/2003	22.5 Year	Lecturer	Professor	24/12/2024	Regular	Nil	Y	-
17	Dr. Abhay Sharma	Ph.D	MANIT Bhopal	Foundation Engineering and Soil Structure Interaction	15/07/2005	20.5 Year	Assistant Professor	Associate Professor	15/08/2008	Regular	Nil	Y	-
18	Dr. Suneet Kaur	Ph.D	RGVP Bhopal	Geotechnical Engineering	12/08/2005	20.5 Year	Assistant Professor	Associate Professor	12.08.2008	Regular	Nil	Y	-
19	Mrs. Harsan geet Kaur	Ph.D	IIT Roorkee	Environmental Engg.	02/12/2005	20.5 Year	Associate Professor	Associate Professor		Regular	Nil	Y	-
20	Dr. Kamal Singh	Ph.D	MANIT, Bhopal	Transportation Engineering	06/02/1997	28.5 Year	Lecturer	Associate Professor	06/02/2008	Regular	Nil	Y	-
21	Dr. Kishan Dharavath	Ph.D	MANIT, Bhopal	Geotechnical & Geoenvironmental Engineering	17/02/2003	22.5 Year	Lecturer	Associate Professor	17/02/2003	Regular	Nil	Y	-
22	Dr. Vivek Garg	Ph.D	MANIT, Bhopal	Structural Engineering, Soil Structure Interaction	15/07/2005	20.5 Year	Lecturer	Associate Professor	31/12/2024	Regular	Nil	Y	-
23	Dr. S.P.S. Rajput	Ph.D	MANIT, Bhopal	Construction Technology & Management	18/07/2005	20 Year	Lecturer	Associate Professor	24/12/2024	Regular	Nil	Y	-
24	Dr. Neeraj Tiwari	Ph.D	MANIT, Bhopal	Stress & Vibration Analysis	15/07/2005	20.5 .Year	Lecturer	Associate Professor	24/12/2024	Regular	Nil	Y	-

25	Mr. A.K. Thawait	Ph.D	MANIT, Bhopal	Water Resources Engineering	23/03/1998	27.5	Lecturer	Associate Professor	24/12/2024	Regular	Nil	Y	-
26	Mr. Junaid Rahim	Ph.D	MANIT, Bhopal	Structural Engineering	15/07/2005	20.5 Year	Lecturer	Associate Professor	24/12/2024	Regular	Nil	Y	-
27	Dr. Priyanka Dhurvey	Ph.D	MANIT, Bhopal	FEM, Mechanics of Composite Materials, Mechanics of Materials	29/05/2003	22.5 Year		Associate Professor	24/12/2024	Regular	Nil	Y	-
28	Dr. Raman Nateriya	Ph.D	MANIT, Bhopal	Engg. Materials	31/01/2003	22.5 Year	Lecturer	Associate Professor	24/12/2024	Regular	Nil	Y	-
29	Dr. Pritikan Das	Ph.D	IIT, Roorkee	Transportation Engg	17/03/2020	5.5 Year	Assistant Professor	Assistant Professor		Regular	Nil	Y	-
30	Dr. Rutuja M. Chavan	Ph.D	IIT Guwahati	Water Resources Engineering and Management	4/06/2020	5.5 Year	Assistant Professor	Assistant Professor		Regular	Nil	Y	-
31	Dr. Bivina G. R.	Ph.D	IIT Roorkee	Transportation Engg	18/06/2020	5.5 Year	Assistant Professor	Assistant Professor		Regular	Nil	Y	-
32	Dr. Rajesh Kumar Mahato	Ph.D	IIT K.G.P	Hydraulic and Water Resources Engineering	28-12-2023	2 Year	Assistant Professor	Assistant Professor		Regular	Nil	Y	-
33	Dr. Priyami tra Munoth	Ph.D	MNIT Jaipur	Remote Sensing & GIS	01-01-2024	2 Year	Assistant Professor	Assistant Professor		Regular	Nil	Y	-
34	Dr. M. Hashid	Ph.D	IIT Roorkee	Water Resources Engineering	04/01/2024	2 Year	Assistant Professor	Assistant Professor		Regular	Nil	Y	-
35	Dr. Vikas Poonia	Ph.D	IIT Indore	Water Resources Engineering	24/01/2024	2 Year	Assistant Professor	Assistant Professor		Regular	Nil	Y	-

36	Dr. B. G. Rajeev Gandhi	Ph.D	IIT Guwahati	Water Resources Engineering	01/02/2024	2 Year	Assistant Professor	Assistant Professor		Regular	Nil	Y	-
37	Dr. Hasthi Venkateswarulu	Ph.D	IIT Patna	Geotechnical Engineering	04/11/2024	11Month	Assistant Professor	Assistant Professor		Regular	Nil	Y	-
38	Dr. Aniket Chandra	Ph.D	IIT BHU	Structural Engineering	01/10/2025	5 Month	Assistant Professor	Assistant Professor		Regular	Nil	Y	-
39	Dr. Charu Parashar	Ph.D	MANIT Bhopal	Water Resources Engineering	29/10/1985	39 Years	Lecturer	Professor	31/01/2011	Regular	Nil		30/04/2024

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

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	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is " No")
1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Student-Faculty Ratio (SFR)

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

UG₁=1st UG program

UG_n=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 (PG_m):

PG₁=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 2025-26	CAYm1 2024-25	CAYm2 2023-24
UG ₁ . B // 2 nd year students of UG ₁ program	113	113	113
UG ₁ . C // 3 rd year students of UG ₁ program	113	113	113
UG ₁ . D // 4 th year students of UG ₁ program	113	113	113
UG ₁ // Total no.of students(2 nd , 3 rd , 4 th) in UG ₁ program	UG ₁ .B+ UG ₁ .C+ UG ₁ .D=339	UG ₁ .B+ UG ₁ .C+ UG ₁ .D=339	UG ₁ .B+ UG ₁ .C+ UG ₁ .D=339
...			
UG _n . B // 2 nd year students of UG _n program	-	-	-
UG _n . C // 3 rd year students of UG _n program	-	-	-
UG _n . D // 4 th year students of UG _n program	-	-	-
UG _n // Total no.of students(2 nd , 3 rd , 4 th) 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 Environmental Engineering 1 st Year	15	21	21
PG ₁ . B Environmental Engineering 2 nd Year	21	21	21
PG ₁	PG ₁ .A+ PG ₁ .B = 36	PG ₁ .A+ PG ₁ .B = 42	PG ₁ .A+ PG ₁ .B= 42
PG ₂ . A Goeoinformatics & Its Applications 1 st Yr	10	12	21
PG ₂ . B Goeoinformatics & Its Applications 2 nd Yr	12	21	21
PG ₂	PG ₂ .A+ PG ₂ .B =22	PG ₂ .A+ PG ₂ .B =33	PG ₂ .A ₂ + PG ₂ .B=42
PG ₃ . A Geotechnical Engineering 1 st Year	21	21	21
PG ₃ . B Geotechnical Engineering 2 nd Year	21	21	21
PG ₃	PG ₃ .A+ PG ₃ .B =42	PG ₃ .A+ PG ₃ .B = 42	PG ₃ .A+ PG ₃ .B= 42
PG 4. A Infrastructure Engineering And Construction Management 1 st Year	12	-	-
PG 4. B Infrastructure Engineering And Construction Management 2 nd Year	-	-	-
PG ₄	PG ₄ .A+ PG ₄ .B =12	PG ₄ .A+ PG ₄ .B=0	PG ₄ .A+ PG ₄ .B =0
PG ₅ .A Hydropower Engineering 1 st Year	-	12	21
PG ₅ .B Hydropower Engineering 2 nd Year	12	21	21
PG ₅	PG ₅ .A+ PG ₅ .B = 12	PG ₅ .A+ PG ₅ .B =33	PG ₅ .A+ PG ₅ .B=42
PG ₆ . A Structural Engineering 1 st Year	25	21	21
PG ₆ . B Structural Engineering 1 st Year	21	21	21
PG ₆	PG ₆ .A+ PG ₆ .B =46	PG ₆ .A+ PG ₆ .B =42	PG ₆ .A+ PG ₆ .B=42
PG ₇ A Transportation Engineering 1 st Year	21	21	21
PG ₇ B Transportation Engineering 2 nd Year	21	21	21
PG ₆	PG ₇ .A+ PG ₇ .B =42	PG ₇ .A+ PG ₇ .B =42	PG ₇ .A+ PG ₇ .B=42

PG ₈ A Water Resources Engineering & Management 1 st Year	10	-	-
PG ₈ B Water Resources Engineering & Management 2 nd Year	-	-	-
PG ₈	PG ₈ .A+ PG ₈ .B =10	PG ₈ .A+ PG ₈ .B =0	PG ₈ .A+ PG ₈ .B =0
PG _m .	222	234	252
DS=Total no. of students in all UG and PG programs in the Department	549	573	591
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	S2=UG ₁ +UG ₂ +.. +UG _n +PG ₁ + ...PG _m	S3=UG ₁ +UG ₂ +.. +UG _n +PG ₁ + ...PG _m
DF=Total no. of faculty members in the Department	36	36	32
AF= Total no. of faculty members in the allied Departments
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	36	36	32
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)=561/36=15.58	SFR2= S2/(F2-FF2)=573/36=15.88	SFR3= S3/(F3-FF3)=591/32=18.46
Average SFR for 3 years	Average SFR=(SFR1+SFR2+SFR3)/3=16.64		

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	36	0	27.45	32.78
CAYm1	36	0	28.65	31.41
CAYm2	32	0	29.55	27.07
Average Assessment				30.42

C4: Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required Faculty(RF1)	Available Faculty(AF1)	Required Faculty(RF2)	Available Faculty(AF2)	Required Faculty(RF3)	Available Faculty(AF3)
CAY	3.05	15	6.1	12	18.3	9
CAYm1	3.18	13	6.36	8	19.08	15
CAYm2	3.28	12	6.56	10	19.68	10
Average Numbers	RF1= 3.17	AF1= 13.33	RF2= 6.34	AF2= 10	RF3= 19.02	AF3= 11.33

C5: Visiting/Adjunct Faculty/Professor of Practice

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

S.N.	Name of the Person	Designation & Organization	Name of the Course	No. of hours handled
CAYm1				
1	Nil	Nil	Nil	Nil
Total no. of hours:				

CAYm2				
1	Nil	Nil	Nil	Nil
Total no. of hours:				

CAYm3				
1	Nil	Nil	Nil	Nil
Total no. of hours:				

C6: Academic Research

Table No. C6.1: Faculty publication details.

S.N.	Item	CAYm1	CAYm2	CAYm3
1	No. of peer reviewed journal papers published	94	62	44
2	No. of peer reviewed conference papers published	25	85	55
3	No. of books/book chapters published	18	15	13

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 (2024-25)							
1	Dr. Vikas Ponia		Anusandhan National Research Foundation (ANRF) India under Prime Minister Early Career Research Grant	Assessing Flash Drought Hotspots and Cascading Impacts on Indian Agriculture in a Changing and Warming Climate: An Integrated Approach for Early Warning Signs and Resilience	ANRF	03 years	29.04
	Dr. S. K. Katiyar		DST	Establishment of Regional Centre for Geodesy	Department of Science and Technology (DST) New Delhi, in association of NCG, IIT Kanpur	04 years	140.9072

2		Dr. Vikas Ponia	Anusandhan National Research Foundation (ANRF) under Minister Career Grant	India Prime Early Research	Snowpack to Soil: Understanding Compound Drought Linkages and Summer Water Scarcity in India's Indus Water Treaty Western Basins	ANRF	03 years	82
3		Dr. Vikas Ponia	Indian Council of Social Science Research (ICSSR) under 2 nd Call for ICSSR Longitudinal Studies in Social and Human Sciences		Geo-Social Synergies for Drought Adaptation: Integrating Geospatial Technologies, Social Vulnerability, and Cultural Strategies in the Marathwada region, Maharashtra	Indian Council of Social Science Research (ICSSR)	03 years	30
4	Dr. P.K. Agarwal	Dr. Siddharth Rokde, Dr. Pritikan Das	National Rural Infrastructure Development Agency (Ministry of Rural Development, Govt. of India)		Proactive Safety Evaluation of Rural Roads: A surrogate Safety Assessment	NRRDA, GoI	1.5 years	23.28
5	Dr. Priyanka Paliwal	Mukul Kulshrestha Tripta Thakur Vinayraje	Central Power Research Institute CPRI, GoI		Design and Development of Sustainable Framework and Control Strategies for Rural Microgrid	Central Power Research Institute CPRI, GoI		31.92
6	Dr. Siddhartha Rokade				Performance Evaluation of Rural Road Builts Using Terrazyme Under Innovative Technology Scheme of NRRDA For PMGSY	Avijeet Agencies M/s. Avijeet Agencies Pvt. Ltd. Chennai		15.95
7	Dr. Rutuja Manohar Chavan	Dr. Rakesh Kumar and Dr. Neeraj Tiwari			Live Bridge Pier Monitoring and Predictive Maintenance System	IBMS-SHPL	4 Months	Rs. 5,25,000/-

CAYm2 (2023-24)							
1	Dr. H.L. Tiwari	Dr. S. Suresh	Civil Engineerig	"Identification and treatment study of heavy metals and chlorinated by products using fish scale morphological changes with sedimentation analysis for Upper lake of Bhopal"	MPCST Bhopal	2 years	4.61
2	Dr. Siddhartha Rokade			Exploration of Psychological Benefits to Indian Rural Women due to Pradhan Mantri Gram Sadak Yojana	National Rural Infrastructura Development Agency NRIDA New Delhi		11.40
3	Dr. Siddhartha Rokade			Proactive Safety Evaluation of Rural Roads: A surrogate Safety Assessment	National Rural Infrastructura Development Agency NRIDA New Delhi		23.28
	Dr. S. K. Katiyar		DST	Establishment of Regional Centre for Geodesy	Department of Science and Technology (DST) New Delhi, in association of NCG, IIT Kanpur	04 years	140.9072

Amount received (Rs.)							
CAYm2 (2022-23)							
1	Dr. Vishnu Prashad	Dr. M. K. Choudhary	Civil Engg Dept MANIT Bhopal	Impact of Climate Change on Water Resources of Tapi basin	Ministry of Water Resources, RD & GR, New Delhi	03 year	29,31,000
2	Dr. Siddhartha Rokade			Performane Evaluation of cement Concrete Pavement in Rural Roads	National Rural Infrastructure Development Agency Ministry of Rural Development GOI		21.70
				Development of Trip Generation Manual for Indian cities	CSIR Central Road Research Institute New Delhi		8.14
	Dr. S. K. Katiyar		DST	Establishment of Regional Centre for Geodesy	Department of Science and Technology (DST)	04 years	140.9072

					New Delhi, in association of NCG, IIT Kanpur		
Amount received (Rs.)							
CAYm3 (2021-22)							
1	Pritikana Das	Bivina G.R., Siddhartha Rokade	Civil	Development of Trip Generation Manual for Indian Cities	CSIR-CRRI	2	8 LAKHS
..							
Amount received (Rs.)							
Total Amount (Lacs) Received for the Past 3 Years							

C8: Consultancy Work

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

1	N Tiwari/M S Hora	Civil Engineering	Proof Checking of Structural Design & Drawing Flated Industries and Comerical complex at Industrial Area Mandideep Dist. Raisen.	M P Industrial Development Corporation Ltd. 1st Floor, Tawa Complex, bittan Market, E-5 Arera Colony Bhopal.	2025-2026	11,68,200
2	N Dindorkar/A Sharma/J Raheem	Civil Engineering	Proof Checking of Structural Design & Drawing of 700 Bedad Hospital Building at Dr. Bhim Rao Ambadkar Memorial Hospital Raipur.	Chhatisghar Medical Services Corporation Ltd. C.G.H. C.D., Comerical Campus 3rd Floor south Corner Sector-27 Atal Nagar Distt. Raipur Chhastighar.	2025-2026	20,65,000

3	N Dindorkar/H Vankatashrulu	Civil Engineering	Soil Investigation in the SSB Chandukheri Campus, Bhopal	C P W D, Division-III Nirman Sadan 52 A Arera Hills Bhopal	2025-2026	14,63,200
4	H L Tiwari/N Dindorkar	Civil Engineering	Proof Checking of Structural Design & Drawing of Power House with Pen Stock Project at (Chinki Boras Barrage Combined Multipurpose Project)	R V R Project Pvt. Ltd. Yadev Colony Narsinghpur (M.P.0	2025-2026	17,70,000
5	N Tiwari/M S Hora	Civil Engineering	Proof Checking of Structure Design & Drawing of pertaining to composite Block (Collector and SP Office, Ujjain).	AKA Consultants (India) Pvt. Ltd., 8 State Bank Officers Colony, Bima Nagar Nr. Anand Bazar, Indore	2025-2026	10,50,200
6	N Dindorkar/J Raheem	Civil Engineering	Proof Checking of Structural Design & Drawing of Various Location in M.P. (Bhopal, Niwari, Panna and Chhatarpur.	Apoorv Sharda, Civil & Structural Consultant, 14-A, Mahalaxmi Nagar, Behind Jash Garden, Near Bombay Hospital Indore.	2025-2026	10,98,580
7	N Dindorkar/V Garg	Civil Engineering	Proof Checking of Structural Design & Drawing of Various Locations Beohari, Jaitwara, Multipurpose Hall, Girls Hostesl, Jaysinghnagar Multipurpose Hall, Library, 2 Class Room, Kotma, Multipurpose Hall, 8 Class Room, Rewa, Pharmacy Block,e-Learning, Professional studies,	Shailendra Sharma & Associates, A-105 Janki Nagar Chunnabhatti, Kolar Road Bhopal.	2025-2026	7,44,580

			Law Department, Sidhi, Science block, Toilet Block, Multipurpose Hall, Satna, Incubation & Felicitation Center, Shahdol, Navalpur Campus, shahdol Campus.			
8	PK Jain/R Kumar/H Vankatashrulu	Civil Engineering	Soil Investigation for construction of Non-residential & Residential Infrastructure for Establishment of 12th Reserve Battalion of CISF at Village Jamunia Talab, Dist. Sehore	C P W D, Division-II Nirman Sadan Bhopal	2025-2026	8,26,000
9	M S Hora/V Garg	Civil Engineering	Proof checking of Structural Design & Drawing of High Level Bridge across Mahanadi River on Kurud- Megha Magarload Road in Km 10/10.	P W D, Bridge Zone Raipur (C.G.) Sirpur Bhawan Campus Behind Akashwani Chok Civil Lines Raipur.	2025-2026	10,36,188
						11221948
						Amount received (Rs.)

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)
CAY M-1 (2024-25)							
1	P K Jain/ R Kumar/J Sarup		Civil Engineering	Geotechnical Investigation work for Medicity Ujjain project.	D D F Consultants Private Ltd., 501, B-9 ITL Twin Tower, Netaji Subhash place Pitampura	2024-2025	4956000

				New Delhi.		
	N Tiwari/N Dindorkar	Civil Engineering	Proof checking of structural design & Drawing of proposed buildings of 150 admissions new Medical College at Mandla (M.P.)	Vastunidhi JV with SD, 135, block-B, Sector-44, Noida (U.P.)	2024-2025	2336400
2	N Tiwari/P Dhurvey	Civil Engineering	Proof Checking of Structural design and Drawing of proposed project of plug and play park at industrial area readymade garment complex Indore.	M P Industrial development Corp. Ltd. Regional Office Indore.	2024-2025	1829000
3	N Dindorkar/V Garg	Civil Engineering	Proof checking of Structural Design & Drawing of R.O.B., in Lieu Level Crossing No. 331 in Railway K. M. 1019/2-3 of Jabalpur-Katni Section on NH-30 Gosalpur Agariya to Pratappur Road in Distt. Jabalpur	Narendra Mishra, Civil Engineer & Contractor, SB-40-41, C Block Mansarovar Complex, Near Kamlapati Railway Station Bhopal	2024-2025	767000
4	S P S Rajput/R Natariya/ K Singh	Civil Engineering	Proof checking of design of elevated Structures being Constructed by MPRDC in Indore, dhar and seoni.	M P Road Development Corp. Ltd. 45-A Arera Hills Bhopal	2024-2025	1180000
5	S Rokade	Civil Engineering	Urban & Regional Planning (Local Area Plas) for Traffic Coordination Plan after construction of Fly Over between Ganesh Mandir and Gayatri Mandir	P W D Bridge Construction Zone Nirman Bhawan Plot No. 27-28 Arera Hills Bhopal. M/s D.P. Chopra, 191/16, Mall road Agra Cantt., Agara (U.P.)	2024-2025	1180000
Amount received (Rs.)						12248400
CAY M-2 (2023-24)						
1	N Dindorkar/J Raheem	Civil Engineering	Proof Checking of Structural Design &	WPIL Ltd., Trinity Plaza	2023-2024	708000

			Drawing of Nimarani-2 Multi-Village Water Supply Scheme, in Single Package for 30 villages of, Khargone under M.P. Jalnigam, (Drawing Revisions Charges)	84/1A, Topsia Road (South) Kolkata.		
2	A K Sharma	Civil Engineering	Vetting of Hydraulic Design and Drawings of various components RWPM, CWPM, CWGM, Distribution Network and OHRS at Sidhi Bansagar Multi Village Scheme, District Sidhi.	L C C Projects Pvt. Ltd., B Wing 15th Floor, Privilon Building Vikram Nager, Ambli-Bopal Road, b/H Iskon Temple, Ahmedabad.	2023-2024	1496240
3	M S Chauhan/M K Choudhary	Civil Engineering	Proof Checking of Hydraulic design of various components of Water Supply Scheme.	AFCONS, House No. 149,854 Sanjeevni Nagger Garha Jabalpur.	2023-2024	1652000
4	N Dindorkar/J Raheem	Civil Engineering	Proof Checking of Structural Design & Drawing of proposed construction of Intake Well 125MLd, WTP 100MLD, RCC Clear Water Sump & Room, MBR & Raam, OHSR & Room 229 Nos and staff quarters 26 Nos. at Sidhi Banasagar Multi-Village Scheme, District Sidhi (M.P.)	L C C Projects Pvt. Ltd., B Wing 15th Floor, Privilon Building Vikram Nagger, Ambli-Bopal Road, b/H Iskon Temple, Ahmedabad.	2023-2024	2478000
5	S P S Rajput/J Raheem	Civil Engineering	Scrutiny of structural drawing and design of various componenets proposed under Multi village rural water supply scheme Distt. Jabalpur, M.P.	Afcons Infrastructur e Ltd. 16, Shah Industrial Estate, verra Desai Road, Azad Nagger P.O. Post Box No. 11978	2023-2024	2006000

				Andheri (W) Mumbai		
6	V Prasad/Ruchi Khare/H S Kaur	Civil Engineering	Proof Checking of Hydraulics Design & Drawings of Water Supply Scheme at Tamas MVS Project under MPJNM.	N C C Ltd. H No. 2110/00, Virat Nagger, Amaudha Kala, Lane 2, Near Payasi Girls Hostel, Panna Road Nagger Nigame Satna M.P.	2023-2024	1475000
7	M S Hora/N Tiwari	Civil Engineering	Proof Checking of Structural Design and drawings of MNB (7 No.) MJB (3 No.) Flyovers (06), VUP (03) and MNB cum VUP (1 No. for the project of 4 laning of Viluppuram-Punducherry Section of NH45A.	Dilip Buildcon Ltd. II, III Floor, 1443/A-16 Pillaivyal kalamman Koil, Street, Sivagangai Thondi, Shivhanga, Tamilnadu.	2023-2024	1180000
Amount received (Rs.)						10995240

CAY M-3 (2022-23)						
1	R Kumar/P K Jain	Civil Engineering	Soil Investigation 3 locations & Foundation Design Terminal at Manglya, Indore. (M.P.)	B P C L, Manglia Receipt Terminal, Indore.	2022-2023	944,000
2	H L Tiwari/P K Agarwal	Civil Engineering	Vetting of Design & Drawing of various Component Gandhi Sagar 2 Multi village scheme district Mandsor and Neemach (M.P.)	DBL-SIPL (JV) Bhopal	2022-2023	4,130,000
3	N Dindroakar	Civil Engineering	Proof Checking of Structural Design and Drawing of proposed structures for Gandhisagar-1 Multi Village Water Supply Scheme, District:- Mandsaur and Ratlam.	LCC Project Pvt. Ltd., B Wing, 15th Floor, Privilon Building Vikram Nagar Ambli Bopal Road Gujrat	2022-2023	2,360,000
4	N Dindorkar/S Kaur	Civil Engineering	Proof Checking of Structural Design & Drawing for proposed Construction of Boundary Wall at Khelgaon, Gwalior.	Earth Associates, E-3, Sr. MIG-12, Arera Colony, Bhopal	2022-2023	1,451,848

5	M S Hora/H L Tiwari	Civil Engineering	Proof Checking of Structural Desing & Drawing for Construction of	Madhav Infra Projects Ltd., Madhav House, Plot No.4 Near Panchrana Building, Subhanpura, Vadodara	2022-2023	885,000
6	N Dindorkar/J Raheem	Civil Engineering	Proof checking of Structural Design & Drawings for proposed construction of ROB at Km 1.12 + 073, 2.16 + 145, 3.28 + 156, 4.37 + 227 (foundation & Substructure) at North South Corridor decongestion in the state of Punjab on HAM under Bharatmala Pariyojna.	Jalandhar Bypass Project Pvt. Ltd., b-901, 9th Floor, Golden Heights, Green Wood City, Near Subharti University, Meerut.	2022-2023	944,000
Amount received (Rs.)						10714848
Total amount (Lacs) received for the past 3 years						33958488

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/ for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the project
CAYm1 2024-25						
1	Dr Muhammed Hashid	Repair and Modification of an Existing Open Channel for the Experimental Study on Multilevel Water Intake	1 year	5	5	Ongoing
2	Dr. Vikas Poonia	Developing Multi-Hazard Disaster Risk and Resilience Scorecards at City Level across Madhya Pradesh	1 year	4	4	
3	Dr Rajesh K. Mahato	Hydrodynamics of multi-layered vegetated flows	1 year	5		Vegetated flow hydrodynamics
4	Dr. Priyamitra Munoth	Investigating the Impact of Land Use and Land Cover Changes on aquatic life and availability of water of Bhopal City	1 year	5	2 Lacs 30 thousand	2 Conference papers, 1 Journal paper under review, 1 M.Tech on-going
5	Dr. Hasthi Venkateswarlu	Dynamic Behavior of Cohesive Soil Beds Under Vibratory Loading	1 year	5		
6	Dr. B.G Rajeev Gandhi	A physical Model for Analyzing Ground water flow and Contaminant Transport	1 year	5	4.35L	On Going
Amount received (Rs.): 24						
CAYm2 2023-24						
1	Nil	Nil	Nil	Nil	Nil	Nil

..						
Amount received (Rs.)						
CAYm3 2022-23						
1	Dr. Bivina GR		2 Year	3.5	3.5	
..						
Amount received (Rs.)						
Total amount (Lacs) received for the past 3 years						24

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.

S. N.	Name of the Laboratory	No. of students 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.	Surveying laboratory	Civil Engg. Approx 27 Students per batch Architecture & Planning Approx 43 Students per batch	Total station, Digital theodolite, auto level, dumpy level, Digital Planimeter, Prismatic compass, Surveyor compass, Plane table with accessories, Levelling staff etc.	Civil Engg. 4 Days per week Architecture & Planning 1 Day per week	Mr. Pradeep Kumar Yadav	Technical Assistant	B. Tech in Civil Engineering
2	Transportation Engineering Lab	Approx 25 Students per batch	Los Angeles Abrasion Testing Machine, Ductility Testing machine, Canon Manning Viscometer, Ring & Ball Apparatus, Marshal stability testing Machine apparatus	4 Days per week	Mr. Akshay Goel	Technical Assistant	3Yr Diploma in Civil Engineering
3	FM And Hydraulics Lab	Civil Engg. Approx 27 Students per batch Mechanical Engg. Approx 35 Students per batch	Hydraulic flume, model of kaplan turbine, model of francis turbine, model of pelton turbine, venturimeter, current meter, orifice	Civil Engg. 4 classes per week Mechanical Engg. 6 classes per week	Mr. Anubhav tiwari	Technical Assistant	M. Tech in Environmental Engineering and B. Tech in Civil Engineering

S. N.	Name of the Laboratory	No. of students 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
			meter, Bernoulli theorem, centrifugal pump				
4	Computer Lab	25-28	Hp Work Stations-03 (Z600&620) Dell OptiPlex Tower7020-2	The Computational Lab is primarily used by UG & PG students, while research scholars also utilize the facility for modeling & computational work	Mrs. Jyoti Khataavkar	Assistant Engineer	AMIE, master's degree in civil engineering
5	Environmental Engineering Lab	Approx 25 Students per batch	PH meter, Hot Air Oven, Turbidity meter, Jar test apparatus, BOD Incubator, COD Digestor, UV spectrophotometer, Bomb calorimeter, Double distillation unit, Respirable dust Sampler, PM 10, 2.5 Sampler.	4 Days per week	Mrs. Eakta Patle	Technician	B.Tech Civil Engg., M. Tech Environmental Engg.
6	Structural Engineering Lab	Approx 25 Students per batch	Three hinge Arch, Two hinge Arch, Column Buckling Apparatus, Simply Supported Beam, Shear Force Apparatus, Bending Moment Apparatus, Curved Beam apparatus, Unsymmetrical bending	4 Days per week	Mr. Abhishek Singh	Technician	3Yr Diploma in Civil Engineering

S. N.	Name of the Laboratory	No. of students 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
			Apparatus				
7	Concrete Lab	Approx 25 Students per batch	Cube Testing Machine, Compression Machine, Vicat Apparatus, Sieves, Curing Tank, Lee Chartlier Apparatus, Vibrating Table, Concrete Pan Mixer	4 Days per week	Mr. Phoolchand Sharma	Lab Assistant	-
8	Geotechnical Engineering Lab	Approx 30 Students per batch	Cyclic Plate Load Test, Unconfined Compressive Strength Test, C.B.R Test Apparatus, Compactor, Triaxial Test Apparatus, Large Box Shear, Consolidation Apparatus, Rock Cutting Machine, Core drilling machine	5 Days per week	Mohd. Amir Khan	Technician SG I	Diploma in Draftsman

S. N.	Name of the Laboratory	No. of students 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
9	Applied Mechanics Lab.	55 in one batch And 2 batch performs experiment per day	Friction & inclined plane kit with work panel, Parallel frame apparatus with work panel, Linked polygons apparatus with work panel, Force Triangle apparatus with work panel, Truss Apparatus with work panel, B.M & S.F Apparatus, Kinetic energy kit with work panel	5 Days per week	Mr. Nitish Kumar	Technician	3Yr Diploma in Civil Engineering
10	Engineering Geology	26	Ground Penetrating Radar, Water detector, Electron Microscope, Electrical Resistivity meter, Stone cutting Machine, Grinding & Polishing machine, Abrasion machine, Specific Gravity Instruments, Rock & Mineral Samples ,Soil Moisture profile Meter	4 Days per week	Mr. Nitish Kumar	Technician	Diploma in Civil Engineering

D2: ` Safety Measures in Laboratories

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

S.N.	Name of the Laboratory	Safety measures
1.	Surveying laboratory	<ul style="list-style-type: none">• Safety measures are available in the laboratory like First Aid box and fire extinguisher
2.	Transportation Engg. Lab	<ul style="list-style-type: none">• Safety measures are available in the laboratory like Fire Extinguisher, First Aid box etc.• Notice Board display for general work guidelines and clear safety instructions are labeled in the laboratory.• PPE (Personal Protective Equipment's) such as Lab coat, Gloves, Fume masks, road safety jackets, helmet etc are available in the laboratory
3.	FM & Hydraulics laboratory	<ul style="list-style-type: none">• Safety measures are available in the laboratory like Fire Extinguisher, First Aid box etc.• Notice Board display for general work guidelines and clear safety instructions are labeled in the laboratory.
4.	Computer Lab	<ul style="list-style-type: none">• Firefighting extinguishers are provided to control fires, and two separate doors ensure safe exit
5.	Environmental Engineering Lab	<ul style="list-style-type: none">• Safety measures are available in the laboratory like Fire Extinguisher, First Aid box etc.• Notice Board display for general work guidelines and clear safety instructions are labeled in the laboratory.• PPE (Personal Protective Equipment's) such as Lab coat, Acid Resistant Gloves, masks, Goggles etc are available in the laboratory
6.	Structural Engineering Lab	<ul style="list-style-type: none">• Safety measures are available in the laboratory like Fire Extinguisher, First Aid box etc.• Notice Board display for general work guidelines and clear safety instructions are labeled in the laboratory.
7.	Concrete Lab	<ul style="list-style-type: none">• Safety measures are available in the laboratory like First Aid box etc.

		<ul style="list-style-type: none"> • Notice Board display for general work guidelines and clear safety instructions are labeled in the laboratory. • PPE (Personal Protective Equipment's) such as Lab coat, Gloves, etc are available in the laboratory
8	Geotechnical Engineering Lab	<ul style="list-style-type: none"> • Notice Board display for general work guidelines and clear safety instructions are labeled in the laboratory. • Safety measures are available in the laboratory like First Aid box
9	Applied Mechanics Lab.	<ul style="list-style-type: none"> • Safety measures are available in the laboratory like First Aid box
10	Engineering Geology	<ul style="list-style-type: none"> • Safety measures are available in the laboratory like Fire Extinguisher, First Aid box etc. • Notice Board display for general work guidelines and clear safety instructions are labeled in the laboratory. • The sophisticated equipments are palced in separated cabins safely. The chemicals used for testing are also kept in safe.

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.	Research Laboratory titled "Road Safety Virtual Reality Research Lab" has been developed.
2.	The Ground Penetrating Radar equipment is funded under DRIP Project (DAM Rehabilitation Irrigation Project) by CWC New Delhi. (Geology Lab)
3.	Centre of Excellence titled "Regional centre for Geodesy" has been developed from DST funding for collaborative research, academic networking and capacity building in the area of Geospatial technology & Geodesy.
4.	"Hydraulic Machine Testing Laboratory" previously named as "Problem Oriented Research Laboratory (PORL)" for testing hydraulic machines like turbine. Established in 1972 through a strategic collaboration with Bharat Heavy Electricals Limited (BHEL)

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 $((NS1*0.8) + (NS2*0.2)) / (\text{No. of required faculty (RF4)})$; Percentage=$((NS1*0.8) + (NS2*0.2)) / RF4$
CAY	1203	60	54	41	85.66%
CAYm1	1203	60	50	41	80.33%
CAYm2	1203	60	50	43	81%

E2: Budget Allocation, Utilization, and Public Accounting at Institute**Level Table No. E2.1:** Budget and actual expenditure incurred at
Institute level.

Items	Budget ed in CFY 2025-26	Actual expens es in CFY (till Feb 2026)	Budget ed in CFYM1 2024-25	Actual expens es in CFYM1	Budget ed in CFYM2 2023-24	Actual Expens es in CFYM2	Budget ed in CFYM3 2022-23	Actual Expens es in CFYM3	Budget ed in CFYM4 2021-22	Actual Expens es in CFYM4
Infrastruct ure Built-Up	4.23	3.86	15	12.38	33	32.41	15	12.34	110	101
Library	4	3.21	5	3.73	5	4.25	5	1.83	6	5.5
Laboratory equipment	40	14.98	32.6	21.72	32	31.8	10	9.2	13	12.5
Teaching and non-teaching staff salary	130	100.43	114.38	114.38	101.7	101.7	101.7	101.7	88.5	83
Outreach Programs	1.04	1.04	0.34	0.34	0.46	0.46	0.4	0.4	-	-
R&D	29.1	26.41	29	28.49	29	27.3	25	22.06	25	24.86
Training, Placement and Industry linkage	5	3.82	5	1.12	5	2.08	5	1.34	5	0.27
SDGs	0.07	0.07	0.05	0.05	0.04	0.04	0.05	0.05	-	-
Entreprene urs hip	0	0	0	0	0	0	0	0	0	0
Others*,pl. specify (Exp.)	73.79	68.05	82.77	86.65	67.03	69.95	67.08	70.74	56.4	61.13
Total amo nt	287.23	221.87	284.14	268.86	273.23	269.99	229.23	219.66	303.9	288.26

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 CFY 2025-26	Actual expenses in CFYm (till ...)	Budgeted in CFYm1 2024-25	Actual expenses in CFYm1 (till ...)	Budgeted in CFYm2 2023-24	Actual Expenses in CFYm2	Budgeted in CFYm3 2022-23	Actual Expenses in CFYm3
Laboratory equipment	181.63	229.12	335.01	396.47	109.23	150.54	12.02	14.26
Software								
R & D								
Support for faculty development	5	-	29	24	-	-	12.9	12.9
SDGs	-	-	-	-	-	-	-	-
Industrial Training, Industry expert, Internship	-	-	-	-	-	-	-	-
Miscellaneous expenses *	20	20	13	13	10	10	-	-
Total amount	206.63	249.12	377.01	433.47	119.23	160.54	24.92	27.16