

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Civil Engineering	Discipline: Engineering & Technology
Level : Under Graduate	Tier: 1
Application No: 10818	Date of Submission: 01-09-2025

PART A- Profile of the Institute

A1. Name of the Institute: MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY	
Year of Establishment : 1960	Location of the Institute: TT NAGAR BHOPAL
A2. Institute Address: MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL (INDIA)	
City: BHOPAL	State: Madhya Pradesh
Pin Code: 462051	Website: WWW.MANIT.AC.IN
Email: DIRECTOR@MANIT.AC.IN	Phone No (with STD Code): 0755-2670900
A3. Name and Address of the Affiliating University (if any):	
Name of the University : NIL	City: Bhopal
State : Madhya Pradesh	Pin Code: 462003
A4. Type of the Institution: NIT	
A5. Ownership Status: Central Government	

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

- No. of UG programs: 9
- No. of PG programs: 35

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Architecture	UG	Architecture	1963	--	Architecture
2	Architecture	UG	Bachelor of Planning	2007	--	Architecture
3	Architecture	PG	M. Planning (Housing)	2012	--	Architecture
4	Architecture	PG	Urban Planning	2011	--	Architecture
5	Computer Application	PG	Master of Computer Application	1987	--	Computer Application
6	Engineering & Technology	PG	Advanced Computing	2012	--	Computer Science and Engineering
7	Engineering & Technology	PG	Agile Software Engineering	2022	--	Mathematics
8	Engineering & Technology	PG	Artificial Intelligence	2019	--	Centre for Artificial Intelligence
9	Engineering & Technology	PG	Automation & Robotics	2022	--	Mechanical Engineering
10	Engineering & Technology	PG	Bioinformatics	2006	--	Mathematics
11	Engineering & Technology	PG	Biotechnology	2012	--	Biological science & Engineering
12	Engineering & Technology	UG	Chemical Engineering	2007	--	Chemical Engineering
13	Engineering & Technology	PG	Chemical Engineering	2012	--	Chemical Engineering
14	Engineering & Technology	UG	Civil Engineering	1960	--	Civil Engineering
15	Engineering & Technology	PG	Communication Systems	2024	--	Electronics and Communication Engineering
16	Engineering & Technology	PG	Computer Networking	2012	--	Computer Science and Engineering
17	Engineering & Technology	UG	Computer Science and Engineering	1986	--	Computer Science and Engineering

18	Engineering & Technology	PG	Digital Communications	1989	2024	Electronics and Communication Engineering
19	Engineering & Technology	PG	Electrical Drives	2006	2024	Electrical Engineering
20	Engineering & Technology	UG	Electrical Engineering	1960	--	Electrical Engineering
21	Engineering & Technology	UG	Electronics & Communication Engineering	1972	--	Electronics and Communication Engineering
22	Engineering & Technology	PG	Energy Systems & Management	2018	--	Energy Centre
23	Engineering & Technology	PG	Environmental Engineering	2006	--	Civil Engineering
24	Engineering & Technology	PG	Geoinformatics and its Applications	2006	--	Civil Engineering
25	Engineering & Technology	PG	Geotechnical Engineering	1968	--	Civil Engineering
26	Engineering & Technology	PG	Hydro Power Engineering	1968	--	Civil Engineering
27	Engineering & Technology	PG	Industrial Design	1996	--	Mechanical Engineering
28	Engineering & Technology	PG	Industrial Engineering and Management	2022	--	Mechanical Engineering
29	Engineering & Technology	PG	Information Security	2006	--	Computer Science and Engineering
30	Engineering & Technology	PG	Intergrated Power Systems	2024	--	Electrical Engineering
31	Engineering & Technology	PG	Material Science & Technology	2012	--	Material Science and Technology
32	Engineering & Technology	PG	Mathematics and Data Science(Integrated/Dual)	2021	--	Mathematics
33	Engineering & Technology	UG	Mechanical Engineering	1960	--	Mechanical Engineering
34	Engineering & Technology	UG	Metallurgical & Materials Engineering	2007	--	Metallurgical and Materials Engineering
35	Engineering & Technology	PG	Power Electronics & Drives	2024	--	Electrical Engineering
36	Engineering & Technology	PG	Power Systems	1996	2024	Electrical Engineering
37	Engineering & Technology	PG	Renewable Energy	1997	--	Energy Engineering
38	Engineering & Technology	PG	Smart Manufacturing	2021	--	Centre of Excellence in Product Design and Smart Manufacturing
39	Engineering & Technology	PG	Structural Engineering	2006	--	Civil Engineering
40	Engineering & Technology	PG	Thermal Engineering	1996	--	Mechanical Engineering
41	Engineering & Technology	PG	Transportation Engineering	2007	--	Civil Engineering
42	Engineering & Technology	PG	VLSI Design & Embedded Systems	2006	--	Electronics and Communication Engineering
43	Engineering & Technology	PG	Water Resources Engineering and Management	2021	--	Civil Engineering
44	Management	PG	Master of Business Administration	2006	--	Management

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

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

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

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

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

No Record

PART-B: Program information

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

Table No. B1: Program details.

A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPE AUTHORITY ARROVAL DE
1	Civil Engineering	UG	1960 / --	60	Yes	2020	114	2020	-

Sanctioned Intake for Last Five Years for the Environmental Engineering	
Academic Year	Sanctioned Intake
2024-25	114
2023-24	114
2022-23	114
2021-22	114
2020-21	114
2019-20	106

List of the Allied Departments/Cluster and Programs:

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

A. Name of the HoD :	Dr. Mukul Kulshrestha
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2024-25 (CAY)	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)	2020-21 (CAYm4)	2019-20 (CAYm5)	2018-19 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	114	114	114	114	114	103	95
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	112	103	102	108	109	99	92
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	0	0	0	0	0	0
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.	112	103	102	108	109	99	92
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CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2024-25 (CAY)	114	112	0	98.25
2023-24 (CAYm1)	114	103	0	90.35
2022-23 (CAYm2)	114	102	0	89.47

Average [(ER1 + ER2 + ER3) / 3] = 92.69 ≈ 20.00

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

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

Item	(2020-21) LYG	(2019-20) LYGm1	(2018-19) LYGm2
A*=(No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	114.00	103.00	95.00
B=No. of students who graduated from the program in the stipulated course duration	101.00	99.00	91.00
Success Rate (SR)=(B/A) * 100	88.60	96.12	95.79

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 93.50

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

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

Academic Performance	CAYm1(2023-24)	CAYm2(2022-23)	CAYm3 (2021-22)
X=(Mean of 1st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10)	7.43	7.38	7.83
Y=Total no. of successful students	103.00	102.00	108.00
Z=Total no. of students appeared in the examination	103.00	102.00	108.00
API [X*(Y/Z)]	7.43	7.38	7.83

Average API[(AP1+AP2+AP3)/3] : 7.55

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2nd year/10)	7.38	7.91	7.38
Y=Total no. of successful students	98.00	105.00	106.00
Z=Total no. of students appeared in the examination	102.00	108.00	108.00
API [X * (Y/Z)]	7.09	7.69	7.24

Average API [(AP1 + AP2 + AP3)/3] : 7.34

B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.83	8.31	7.88
Y=Total no. of successful students	104.00	105.00	99.00
Z=Total no. of students appeared in the examination	105.00	106.00	99.00
API [X*(Y/Z)]:	7.76	8.23	7.88

Average API [(AP1 + AP2 + AP3)/3] : 7.96

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2020-21)	LYGm1(2019-20)	LYGm2(2018-19)
FS*=Total no. of final year students	114.00	103.00	95.00
X=No. of students placed	69.00	58.00	35.00
Y=No. of students admitted to higher studies	6.00	0.00	1.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	65.79	56.31	37.89

Average Placement Index = (P_1 + P_2 + P_3)/3: 53.33 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

(Data to be filled in for the Department and Allied Departments)

C1. Faculty details of Department and Allied Departments

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

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)
1	Dr. N. Dindorker	XXXXXXX86C	Ph.D	DAVV Indore	Soil Mechanics	28/10/1985	39.8	Lecturer	Professor	01/01/2003	Regular
2	Dr. S.K. Dubey	XXXXXXX96G	Ph.D	Barkatullah university , Bhopal	Structural Engg.	02/06/1992	33	Associate Professor	Professor	10/03/2003	Regular
3	Dr. A.K. Sharma	XXXXXXX15R	Ph.D	UOR Roorkee (IIT Roorkee)	Environmental Engg.	06/10/1989	35.8	Lecturer	Professor	30/07/2007	Regular
4	Dr. V. Prasad	XXXXXXX85B	Ph.D	RGPV,Bhopal	Hydro Power & Water Resources	03/07/1992	32.11	Lecturer	Professor	01/01/2010	Regular
5	Dr. M.S Hora	XXXXXXX90A	Ph.D	RGPV, Bhopal	FEM, Soil Structural Engg Interaction	07/07/1994	30.11	Lecturer	Professor	04/06/2011	Regular
6	Dr. P.K. Jain	XXXXXXX22F	Ph.D	UOR Roorkee	Geo technical Engg.	06/01/1995	30.5	Lecturer	Professor	06/01/2011	Regular
7	Dr. S.K. Katiyar	XXXXXXX55E	Ph.D	IIT Kanpur	Geomatics Engg. (Remote Sensing, GIS & GPS)	06/08/1994	30.10	Lecturer	Professor	24/01/2011	Regular
8	Dr. P.K. Agarwal	XXXXXXX76H	Ph.D	IIT Kanpur	Transportation Engineering	18/07/1994	30.11	Lecturer	Professor	18/07/2011	Regular
9	Dr. Mukul Kulshrestha	XXXXXXX51R	Ph.D	IIT Delhi	Environmental Engg.	27/09/1994	30.8	Lecturer	Professor	01/09/2012	Regular
10	Dr. M.S. Chauhan	XXXXXXX87A	Ph.D	IIT Bombay	Environmental Engg.	01/12/1995	29.6	Lecturer	Professor	01/09/2012	Regular
11	Dr. Jyoti Sarup	XXXXXXX77L	Ph.D	Barkatullah university , Bhopal	Remote Sensing, G.I.S,Photogrammetry, Microwave RS	02/06/2010	15	Associate Professor	Professor	24/02/2020	Regular
12	Dr. H.L. Tiwari	XXXXXXX18P	Ph.D	MANIT, Bhopal	Hydraulic, Fluid Mechanics & Water Resources Engineering	18/04/2005	20.2	Lecturer	Professor	21/12/2023	Regular
13	Dr. Ruchi Khare	XXXXXXX10C	Ph.D	MANIT, Bhopal	Water Resources and hydropower Engineering	29/06/1991	33.11	Lecturer	Professor	21/12/2023	Regular
14	Dr. M.K. Choudhary	XXXXXXX59G	Ph.D	IIT Roorkee	Water Resources Engineering	17/02/1997	28.4	Lecturer	Professor	24/12/2024	Regular
15	Dr. Siddharth Rokade	XXXXXXX68E	Ph.D	MANIT Bhopal	Transportation Engg	11/02/2003	22.4	Lecturer	Professor	30/12/2024	Regular
16	Dr. Rakesh Kumar	XXXXXXX40D	Ph.D	MANIT Bhopal	Geotechnical Engineering	14/02/2003	22.4	Lecturer	Professor	24/12/2024	Regular

17	Dr. Abhay Sharma	XXXXXXX82D	Ph.D	MANIT Bhopal	Foundation Engineering and Soil Structure Interaction	15/07/2005	19.11	Assistant Professor	Associate Professor	15/08/2008	Regular
18	Dr. Suneet Kaur	XXXXXXX95K	Ph.D	RGVP Bhopal	Geotechnical Engineering	12/08/2005	19.10	Assistant Professor	Associate Professor	12/08/2008	Regular
19	Mrs. Harsangeet Kaur	XXXXXXX22G	Ph.D	IIT Roorkee	Environmental Engg.	02/12/2005	19.6	Associate Professor	Associate Professor	02/12/2005	Regular
20	Dr. Kamal Singh	XXXXXXX21A	Ph.D	MANIT Bhopal	Transportation Engineering	06/02/1997	28.4	Lecturer	Associate Professor	06/02/2008	Regular
21	Dr. Kishan Dharavath	XXXXXXX03B	Ph.D	MANIT, Bhopal	Geotechnical & Geoenvironmental Engineering	07/02/2003	22.4	Lecturer	Associate Professor	17/02/2003	Regular
22	Dr. Vivek Garg	XXXXXXX96M	Ph.D	MANIT, Bhopal	Structural Engineering, Soil Structure Interaction	15/07/2005	19.11	Lecturer	Associate Professor	31/12/2024	Regular
23	Dr. S.P.S. Rajput	XXXXXXX96J	Ph.D	MANIT, Bhopal	Construction Technology & Management	18/07/2005	19.11	Lecturer	Associate Professor	24/12/2024	Regular
24	Dr. Neeraj Tiwari	XXXXXXX85H	Ph.D	MANIT, Bhopal	Stress & Vibration Analysis	15/07/2005	19.11	Lecturer	Associate Professor	24/12/2024	Regular
25	Mr. A.K. Thawait	XXXXXXX37M	Ph.D	MANIT, Bhopal	Water Resources Engineering	23/03/1998	27.3	Lecturer	Associate Professor	24/12/2024	Regular
26	Mr. Junaid Rahim	XXXXXXX29P	Ph.D	MANIT, Bhopal	Structural Engineering	15/07/2005	19.11	Lecturer	Associate Professor	24/12/2024	Regular
27	Dr. Priyanka Dhurvey	XXXXXXX79Q	Ph.D	MANIT, Bhopal	FEM, Mechanics of Composite Materials, Mechanics of Materials	29/05/2003	22	Lecturer	Associate Professor	24/12/2024	Regular
28	Dr. Raman Nateriya	XXXXXXX45H	Ph.D	MANIT, Bhopal	Engg. Materials	31/01/2003	22.4	Lecturer	Associate Professor	24/12/2024	Regular
29	Dr. Pritikana Das	XXXXXXX29L	Ph.D	IIT, Roorkee	Transportation Engg	17/03/2020	5.3	Assistant Professor	Assistant Professor		Regular
30	Dr. Rutuja M. Chavan	XXXXXXX27A	Ph.D	IIT Guwahati	Water Resources Engineering and Management	04/06/2020	5	Assistant Professor	Assistant Professor		Regular
31	Dr. Bivina G. R.	XXXXXXX80B	Ph.D	IIT Roorkee	Transportation Engg	18/06/2020	5	Assistant Professor	Assistant Professor		Regular
32	Dr. Rajesh Kumar Mahato	XXXXXXX80B	Ph.D	IIT K.G.P	Hydraulic and Water Resources Engineering	28/12/2023	1.5	Assistant Professor	Assistant Professor		Regular
33	Dr. Priyamitra Munoth	XXXXXXX19C	Ph.D	MNIT Jaipur	Remote Sensing & GIS	01/01/2024	1.5	Assistant Professor	Assistant Professor		Regular
34	Dr. Vikas Poonia	XXXXXXX47P	Ph.D	IIT Indore	Water Resources Engineering	24/01/2024	1.4	Assistant Professor	Assistant Professor		Regular
35	Dr. B. G. Rajeev Gandhi	XXXXXXX96G	Ph.D	IIT Guwahati	Water Resources Engineering	01/02/2024	1.4	Assistant Professor	Assistant Professor		Regular
36	Dr. Hasthi Venketswarulu	XXXXXXX05R	Ph.D	IIT Patna	Geotechnical Engineering	04/11/2024	0.7	Assistant Professor	Assistant Professor		Regular
37	Dr. M. Hashid	XXXXXXX52K	Ph.D	IIT Roorkee	Water Resources Engineering	04/01/2024	1.5	Assistant Professor	Assistant Professor		Regular
38	Dr. Charu Parashar	XXXXXXX16B	Ph.D	MANIT Bhopal	Water Resources Engineering	29/10/1985	38.6	Lecturer	Professor	31/01/2011	Regular

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

C2. Student-Faculty Ratio (SFR)

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

UG1=1st UG program

UGn=nth UG program

B= No. of Students in UG 2nd year (ST)

C= No. of Students in UG 3rd year (ST)

D= No. of Students in UG 4th year (ST)

No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

Student Faculty Ratio (**SFR**) = S/F

S= No. of students of all programs in the Department including all students of allied departments/clusters.

No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)

Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.

F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

No. of UG Programs in the Department1 No. of PG Programs in the Department7

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

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1.B	114	114	114
UG1.C	114	114	114
UG1.D	114	114	106
UG1: Civil Engineering	342	342	334
PG1.A	21	21	21
PG1.B	21	21	21
PG1: Environmental Engineering	42	42	42
PG2.A	12	21	21
PG2.B	21	21	21
PG2: Geoinformatics and its Applications	33	42	42
PG3.A	21	21	21
PG3.B	21	21	21
PG3: Geotechnical Engineering	42	42	42
PG4.A	12	21	21
PG4.B	21	21	21
PG4: Hydro Power Engineering	33	42	42
PG5.A	21	21	21
PG5.B	21	21	21
PG5: Structural Engineering	42	42	42
PG6.A	21	21	21
PG6.B	21	21	21
PG6: Transportation Engineering	42	42	42
PG7.A	12	20	21
PG7.B	20	21	21
PG7: Water Resources Engineering and Management	32	41	42
DS=Total no. of students in all UG and PG programs in the Department	608	635	628
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	S1= 608	S2= 635	S3= 628
DF=Total no. of faculty members in the Department	36	32	32
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= 36	F2= 32	F3= 32
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 16.89	SFR2= 19.84	SFR3= 19.63
Average SFR for 3 years	SFR= 18.79		

C3. Faculty Qualification

- Faculty qualification index (FQI) = $2.5 * [(10X + 4Y)/RF]$ where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	$FQ = 2.5 \times [(10X + 4Y) / RF]$
2024-25(CAY)	36	0	30.00	30.00
2023-24(CAYm1)	32	0	31.00	25.81
2022-23(CAYm2)	32	0	31.00	25.81

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2024-25	3.00	13.00	6.00	8.00	20.00	15.00
2023-24	3.00	12.00	7.00	10.00	21.00	10.00
2022-23	3.00	12.00	6.00	10.00	20.00	10.00
Average	RF1=3.00	AF1=12.33	RF2=6.33	AF2=9.33	RF2=20.33	AF2=11.67

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

(CAYm2)

(CAYm3)

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)
1	No. of peer reviewed journal papers published	62	44	45
2	No. of peer reviewed conference papers published	85	55	57
3	No. of books/book chapters published	15	13	12

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. H.L. Tiwari	Dr. S. Suresh	Department of Civil Engineering, MANIT Bhopal	"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
Dr. Siddhartha Rokade	-	Department of Civil Engineering, MANIT Bhopal	Exploration of Psychological Benefits to Indian Rural Women due to Pradhan Mantri Gram Sadak Yojana	National Rural Infrastructural Development Agency NRIDA New Delhi	-	11.40
Dr. Siddhartha Rokade	-	Department of Civil Engineering, MANIT Bhopal	Proactive Safety Evaluation of Rural Roads: A surrogate Safety Assessment	National Rural Infrastructural Development Agency NRIDA New Delhi	-	23.28
						Amount received (Rs.):39.29

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. 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	2931000.00
Dr. Siddhartha Rokade	-	Department of Civil Engineering, MANIT Bhopal	Performane Evaluation of cement Concrete Pavement in Rural Roads	National Rural Infrastructure Development Agency Ministry of Rural Development GOI	-	21.70
Dr. Siddhartha Rokade	-	Department of Civil Engineering, MANIT Bhopal	Development of Trip Generation Manual for Indian cities	CSIR Central Road Research Institute New Delhi	-	8.14
						Amount received (Rs.):2931029.84

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Pritikana Das	Bivina G.R., Siddhartha Rokade	Civil	Development of Trip Generation Manual for Indian Cities	CSIR-CRRI	2	8.00
						Amount received (Rs.):8.00

Total Amount (Lacs) Received for the Past 3 Years: 2931077.13

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
N Dindorkar	J Raheem	Civil Engineering	Proof Checking of Structural Design & Drawing of Nimarani-2Multi-Village Water Supply Scheme, in Single Package for 30 villages of, Khargone under M.P. Jalnigam, (Drawing Revisions Charges)	WPIL Ltd., Trinity Plaza 84/1A, Topsia Road (South) Kolkata.	2023-2024	7.80
A K Sharma		Civil Engineering	Vetting of Hydraulic Design and Drawings of various components RWPM, CWPM, CWGM, Distribution Netwrok and OHRS at Sidhi Bansagar Multi Village Scheme, District Sidhi.	L C C Projects Povt. Ltd., B Wing 15th Floor, Privilon Building Vikram Nagger, Ambli-Bopal Road, b/H Iskon Temple, Ahmedabad.	2023-2024	1496240.00
M S Chouhan	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	1652000.00
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 Povt. Ltd., B Wing 15th Floor, Privilon Building Vikram Nagger, Ambli-Bopal Road, b/H Iskon Temple, Ahmedabad.	2023-2024	2478000.00
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 Infrastructure Ltd. 16, Shah Industrial Estate, verra Desai Road, Azad Nagger P.O. Post Box No. 11978 Andheri (W) Mumbai	2023-2024	2006000.00
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	1475000.00
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-Puducherry Section of NH45A.	Dilip Buildcon Ltd. II, III Floor, 1443/A-16 Pillaivyal Kaliyamman Koil, Street, Sivagangai Thondi, Shivilanga, Tamilnaidu.	2023-2024	1180000.00
						Amount received (Rs.):10287247.80

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
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	944000.00
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	4130000.00
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 Gujarat	2022-2023	2360000.00
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	1451848.00
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	885000.00
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	944000.00
						Amount received (Rs.):10714848.00

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
A K Sharma	S Suresh	Civil Engineering	Emission Inventory Study of 7 Non-Attainment Cities in M. P.	Center for Study of Science Technology & Policy, 10th Cross, Papannal Layout, Mayura Street, Bengaluru. GST No. 29AACCC6485E1ZH	2021-2022	2108696.00
M Kulshrestha	P Paliwal/C Parashar	Civil Engineering	Technological Innovations and Capacity Building for all in M. P.	United Nations Children's Fund (UNICEF), Plot No. 41-42, Polytechnic Colony, shyamla Hills, Bhopal	2021-2022	1628000.00
J Raheem	V Garg	Civil Engineering	Stability Test for Residential and non-Residential Building at SPM Hoshangabad (M.P.)	Security Paper Mill, Hoshangabad (M.P.)	2021-2022	2100844.00
M S Hora	N Tiwari	Civil Engineering	Proof Checking of Design & Drawing of Proposed Construction of Hihg Level Bridge across Indrawati River at 2/2 to 2/10 on Bedre Nugur-Lanka Road	P W D Bridge Zone Raipur (C G)	2021-2022	830206.00
N Dindorkar	A Sharma	Civil Engineering	Proof Checking of Structural Design & Drawing of Madiya Multi Villages Water Supply Scheme of MPJNM. (WTP 26.94 MLD, MBRs (1520 & 710 Approximately 2 Nos, OHT 50KL to 225KL 20 Nos & Intermediate PH with Sump of 710KL approximate.)	L C C Projects Pvt. Ltd., B Wing, 15th Floor Privition Building, Vikram Nagger, Ambji-Bopal Road, B/h iskon Temple, ahmedabad, Gujrat	2021-2022	1000000.00
P K Agarwal		Civil Engineering	Audit of Component -wise expenditure incurred on infrastructure of Plastic Park developed by the corporation in village Ramot & to provide opinion onquality of the work.	M P Plastic Park Development Corp. Ltd., Tawa Complex First Floor Bittan Market E-5Arera Colony Bhopal	2021-2022	1080000.00
M S Hora	N Tiwari	Civil Engineering	Structural Audit of Buildings at 400Kv Itarsi Powergrid S/s Diat Hoshangabad (M.P.)	Power Grid Corporation of India Ltd. E-5 Arera Conly bhopal	2021-2022	900000.00
N Dindorkar	P Dhurvey	Civil Engineering	Inspection of AAI residential colony i.r.o. rehabilitation of structures and comprehensive repairs at Bhopal Airport.	Airport Authority of India, Raja Bhoj Airport, Bhopal	2021-2022	700000.00
						Amount received (Rs.):10347746.00

Total amount (Lacs) received for the past 3 years: 31349841.80

Note*:

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

C9. Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Nil	Nil	Nil	0.00	0.00	Nil
			Amount received (Rs.): 0.00		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Nil	Nil	Nil	0.00	0.00	Nil
			Amount received (Rs.): 0.00		

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Pritikana Das	Safety Evaluation of Urban Uncontrolled Intersections Using Surrogate Safety Measures	2 Years	5.00	5.00	Published 2 Journal Pares, 04 Conference papers
Dr. Rutuja M Chavan	Study of Morphology and Hydrodynamics Around Group of Pirs in Seepage Affected Alluvial Channels	2 Years	5.00	5.00	Published 2 Journal papers, 3 Conference papers and 2 Book Chapters
Dr. Bivina G R	Analysing the Underutilization of Various Pedestrian Facilities; A Case Study of Bhopal	2 Years	3.50	3.50	Published 2 Conference Papers
			Amount received (Rs.): 13.50		

Total amount (Lacs) received for the past 3 years : 13.50

PART D: Laboratory Infrastructure in the Department (Data to be filled in for the Department)

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

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

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Surveying laboratory	27	Total station, Digital theodolite, auto level, dumpy level, Planimeter,	Civil Engg. 4 D	Mr. Pradeep I	Technical Ass	B. Tech in Civ
2	Transportation Engineering Lab	25	Los Angels Abrasion Testing Machine, Ductility Testing machine,	4 Days per week	Mr. Akshay G	Technical Ass	3Yr Diploma i
3	Hydraulics Lab	27	Hydraulic flume, model of kaplan turbine, model of francis turbine,	Civil Engg. 4 cl	Mr. Anubhav	Technical Ass	M. Tech in En
4	Computer Lab	28	Hp Work Stations-03 (Z600&620) Dell Opticle Tower7020-2	The Computation	Mrs. Jyoti Kh	Assistant Eng	AMIE, master
5	Environmental Engineering Lab	25	pH meter, Hot Air Oven, Turbidity meter, Jar test apparatus, BOD	4 Days per week	Mrs. Eakta P	Technician	B.Tech Civil i
6	Structural Engineering Lab	25	Three hinge Arch, Two hinge Arch, Column Buckling Apparatus, Simply	4 Days per week	Mr. Abhishek	Technician	3Yr Diploma i
7	Concrete Lab	25	Cube Testing Machine, Compression Machine, Vicat	4 Days per week	Mr. Phoolcha	Lab Assistant	-
8	Geotechnical Engineering Lab	30	Cyclic Plate Load Test, Unconfined Compressive Strength Test, C.B.R	5 Days per week	Mohd. Amir K	Technician S	Diploma in Di
9	Applied Mechanics Lab.	30	Friction & inclined plane kit with work panel, Parallel frame	5 Days per week	Mr. Nitish Kur	Technician	3Yr Diploma i
10	Engineering Geology	26	Ground Penetrating Radar, Water detector, Electron Microscope,	4 Days per week	Mr. Nitish Kur	Technician	Diploma in Ci

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Surveying laboratory	• Safety measures are available in the laboratory like First Aid box

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	Computer Lab	<ul style="list-style-type: none"> Firefighting extinguishers are provided to control fires, and two separate doors ensure safe exit
4	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
5	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.
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. • 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 placed in separated cabins safely. The chemicals used for testing are also kept in safe.

D3. Project Laboratory/Research Laboratory

S.N.	Name of the Laboratory
1.	Research Laboratory titled "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)
N.	

PART E: First Year faculty and financial Resources

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

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) + (NS2*0.2))/RF
2022-23(CAYm2)	1051	53	27	32	53
2023-24(CAYm1)	1051	53	30	32	57
2024-25(CAY)	1051	53	39	40	74

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

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

Items	Budgeted in 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Infrastructure Built-Up	15	12.38	33	32.41	15	12.34	110	101
Library	5	3.73	5	4.25	5	1.83	6	5.5
Laboratory equipment	32.6	21.72	32	31.8	10	9.2	13	12.5
Teaching and non-teaching staff	114.38	114.38	101.7	101.7	101.7	101.7	88.5	83
Outreach Programs	0	0	0	0	0	0	0	0
R&D	0	0	0	0	0	0	0	0
Training, Placement and	0	0	0	0	0	0	0	0
SDGs	0	0	0	0	0	0	0	0
Entrepreneurship	0	0	0	0	0	0	0	0
Others, specify	88.16	88.16	72.53	72.53	72.53	72.53	61.4	61.4
Total	255.14	240.37	244.23	242.69	204.23	197.60	278.9	263.4

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

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