

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 : 11824	Date of Submission : 30-04-2026

PART A- Profile of the Institute

A1.Name of the Institute : IPS Academy, Institute of Engineering and Science, Indore, M.P.	
Year of Establishment : 1999	Location of the Institute: KNOWLEDGE VILLAGE RAJENDRA NAGAR A B ROAD INDORE
A2. Institute Address :INSTITUTE OF ENGINEERING AND SCIENCE, IPS ACADEMY, KNOWLEDGE VILLAGE, RAJENDRA NAGAR, A. B. ROAD, INDORE. (MP) PIN CODE- 452012	
City:Indore	State:Madhya Pradesh
Pin Code:452012	Website:www.ies.ipsacademy.org
Email:director.ies@ipsacademy.org	Phone No(with STD Code):0731-4014601
A3. Name and Address of the Affiliating University (if any):	
Name of the University :	City: Bhopal
State : Madhya Pradesh	Pin Code: 462033
A4. Type of the Institution : Self-Supported Institute	
A5. Ownership Status : Self financing	

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

- No. of UG programs: **15**
- No. of PG programs: **8**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Agricultural Engineering	2022	2025	Agricultural Engineering
2	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2026	--	Artificial Intelligence and Machine Learning
3	Engineering & Technology	UG	Chemical Engineering	2004	--	Chemical Engineering
4	Engineering & Technology	PG	Chemical Engineering	2011	--	Chemical Engineering
5	Engineering & Technology	UG	Civil Engineering	2004	--	Civil Engineering
6	Engineering & Technology	UG	Computer Science & Engineering-Indian Language	2021	--	Computer Science & Engineering – Indian Language
7	Engineering & Technology	UG	Computer Science & Information Technology	2018	--	Computer Science and Information Technology
8	Engineering & Technology	UG	Computer Science and Engineering	1999	--	Computer Science and Engineering
9	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2021	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
10	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2020	--	Computer Science and Engineering (Data Science)

11	Engineering & Technology	UG	Computer Science and Engineering (Internet of Things and Cyber Security including Blockchain Technology)	2022	--	Computer Science and Engineering (Internet of Things and Cyber Security including Blockchain Technology)
12	Engineering & Technology	UG	Computer Science and Engineering (Internet of Things)	2020	2026	Computer Science and Engineering (Internet of Things)
13	Engineering & Technology	PG	Construction & Project Management	2013	--	Civil Engineering
14	Engineering & Technology	PG	Data Science	2007	--	Computer Science and Engineering (Data Science)
15	Engineering & Technology	PG	Digital Communications Engineering	2007	--	Electronics and Communication Engineering
16	Engineering & Technology	UG	Electrical & Electronics Engineering	2003	--	Electrical and Electronics Engineering
17	Engineering & Technology	UG	Electronics & Communication Engineering	1999	--	Electronics and Communication Engineering
18	Engineering & Technology	UG	Fire Technology and Safety	1999	--	Fire Technology and Safety
19	Engineering & Technology	PG	Industrial Safety Engineering	2010	--	Fire Technology and Safety
20	Engineering & Technology	UG	Mechanical Engineering	2013	--	Mechanical Engineering
21	Engineering & Technology	PG	Power Electronics	2013	--	Electrical and Electronics Engineering
22	Engineering & Technology	PG	ROBOTICS	2020	--	Robotics Engineering
23	Engineering & Technology	PG	Structural Engineering	2009	--	Civil Engineering

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Civil 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/COMPETENT AUTHORITY APPROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Civil Engineering	UG	2004 / --	60	Yes	2021	60	2021	AICTE Central/1-7006635144/2020/EOA	Granted accreditation for 3 years for the period (specify period)	2017	2026	3	4

Sanctioned Intake for Last Five Years for the Construction & Project Management

Academic Year	Sanctioned Intake
2025-26	60
2024-25	60
2023-24	60
2022-23	60
2021-22	60
2020-21	120

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. Amit Sharma
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	60	60	120	120
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	53	32	31	30	41	65	49
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	3	8	9	8	9	12
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.	53	35	39	39	49	74	61

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]
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2025-26 (CAY)	60	53	0	88.33
2024-25 (CAYm1)	60	32	0	53.33
2023-24 (CAYm2)	60	31	0	51.67

Average [(ER1 + ER2 + ER3) / 3] = 64.44≡ 11.00

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	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	68.00	129.00	132.00
B=No. of students who graduated from the program in the stipulated course duration	42.00	67.00	56.00
Success Rate (SR)= (B/A) * 100	61.76	51.94	42.42

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 52.04

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

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

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
Mean of CGPA or mean percentage of all successful students(X)	6.99	6.47	7.26
Y=Total no. of successful students	26.00	28.00	28.00
Z=Total no. of students appeared in the examination	32.00	31.00	30.00
API [X*(Y/Z)]	5.68	5.84	6.78

Average API[(AP1+AP2+AP3)/3] : 6.10

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

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

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2nd year/10)	6.48	7.13	6.37
Y=Total no. of successful students	26.00	35.00	44.00
Z=Total no. of students appeared in the examination	36.00	37.00	46.00
API [X * (Y/Z)]	4.68	6.74	6.09

Average API [(AP1 + AP2 + AP3)/3] : 5.84

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

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

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.20	6.33	7.43
Y=Total no. of successful students	29.00	43.00	64.00
Z=Total no. of students appeared in the examination	35.00	44.00	69.00
API [X*(Y/Z)]:	5.97	6.19	6.89

Average API [(AP1 + AP2 + AP3)/3] : 6.35

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	68.00	129.00	132.00
X=No. of students placed	20.00	20.00	22.00
Y=No. of students admitted to higher studies	3.00	2.00	6.00
Z= No. of students taking up entrepreneurship	3.00	4.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	38.24	20.16	21.21

Average Placement Index = (P_1 + P_2 + P_3)/3: 26.54 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

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

C1. Faculty details of Department and Allied Departments

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

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr. Archana Keerti Chowdhary	XXXXXXXX16H	Ph.D	RGPV Bhopal	Water Resources Engineering	08/03/1999	27.1	Assistant Professor	Professor	27/08/2012	Regular	Yes		No
2	Dr. Amit Sharma	XXXXXXXX97R	Ph.D	RGPV Bhopal	Structural Engineering	05/11/2008	17.5	Assistant Professor	Professor	01/02/2019	Regular	Yes		Yes
3	Dr. Keerti Kumar Chowdhary	XXXXXXXX57D	Ph.D	IMSR Bombay	CPM	01/01/2009	17.4	Assistant Professor	Professor	01/07/2013	Regular	Yes		No
4	Dr. Ashish Nim	XXXXXXXX69N	Ph.D	Oriental University Indore	Structural Engineering	08/07/2011	14.9	Lecturer	Associate Professor	24/07/2023	Regular	Yes		No
5	Vijay Kumar Baradiya	XXXXXXXX82L	M.E.	RGPV Bhopal	Structural Engineering	07/08/2009	16.8	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Dr. Devanshi Jagwani	XXXXXXXX51P	Ph.D	RTMNU, Nagpur	Environmental Science	21/08/2018	7.8	Assistant Professor	Professor	24/07/2023	Regular	Yes		No
7	Rajesh Chaturvedi	XXXXXXXX01B	M.E.	RGPV Bhopal	Structural Engineering	01/07/2011	14.10	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Sunil Hame	XXXXXXXX63L	M.E.	DAVV Indore	Structural Engineering	15/07/2014	11.9	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Aditi Patidar	XXXXXXXX27H	M.Tech	RGPV Bhopal	Structural Engineering	02/09/2013	12.7	Lecturer	Assistant Professor		Regular	Yes		No
10	Arpit Sethia	XXXXXXXX18B	M.Tech	RGPV Bhopal	Structural Engineering	01/06/2012	13.11	Lecturer	Assistant Professor		Regular	Yes		No
11	Dr. Harish Kumar Dwivedi	XXXXXXXX37Q	Ph.D	SHUATS, UP	Water Resources Engineering	02/07/2012	13.9	Lecturer	Assistant Professor		Regular	Yes		No

12	Harshit Jain	XXXXXXXX25Q	M.Tech	RGPV Bhopal	Structural Engineering	01/09/2014	11.7	Lecturer	Assistant Professor		Regular	Yes		No
13	Lalitesh Sinha	XXXXXXXX88L	M.E.	RGPV Bhopal	Water Resources Engineering	05/08/2016	9.8	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Dr. Mohd Nasim	XXXXXXXX91L	Ph.D	NIT, Raipur	Structural Engineering	21/08/2012	13.8	Lecturer	Associate Professor	23/07/2025	Regular	Yes		No
15	Neeraj Mishra	XXXXXXXX98Q	M.E.	RGPV Bhopal	Water Resources Engineering	09/01/2018	8.3	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Nitya Sanghvi	XXXXXXXX09H	M.Tech	IIT, Roorkee	Structural Engineering	01/08/2016	9.8	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Pallavi Gupta	XXXXXXXX12C	M.E.	RGPV Bhopal	Transportation Engineering	22/08/2016	9.8	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Richa Jain	XXXXXXXX36G	M.Tech	RGPV Bhopal	Structural Engineering	15/07/2015	10.9	Lecturer	Assistant Professor		Regular	Yes		No
19	Sonam Yadav	XXXXXXXX98H	M.Tech	RGPV Bhopal	Structural Engineering	05/08/2013	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Swati Shrivastava	XXXXXXXX22P	M.Tech	Barkatullah University., Bhopal	Remote Sensing and GIS	12/01/2010	16.3	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Sumit Gupta	XXXXXXXX73R	M.Tech	NICMAR, Pune	CPM	13/08/2013	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Tanushree Sinha	XXXXXXXX14K	M.E.	RGPV Bhopal	Water Resources Engineering	14/08/2017	8.8	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Dr. Veena Baunthiyal	XXXXXXXX11Q	Ph.D	MSU, Udaipur	Geology	01/09/2016	9.7	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Praveen Dewra	XXXXXXXX64N	M.Tech	RGPV Bhopal	CPM	01/07/2015	10.10	Lecturer	Assistant Professor		Regular	Yes		No
25	Diwakar Singh	XXXXXXXX16A	M.E.	RGPV Bhopal	Transportation Engineering	26/07/2012	13.9	Lecturer	Assistant Professor		Regular	Yes		No
26	Parakh Dongre	XXXXXXXX64B	M.E.	RGPV Bhopal	Transportation Engineering	23/09/2024	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No

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

C2. Student-Faculty Ratio (SFR)

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

UG1=1st UG program

UGn=nth UG program

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

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

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

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

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

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

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

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

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

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

No. of UG Programs in the Department1 No. of PG Programs in the Department2

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	63	66	66
UG1.C	66	66	66
UG1.D	66	66	129
UG1: Civil Engineering	195	198	261
PG1.A	18	18	18
PG1.B	18	18	18
PG1: Construction & Project Management	36	36	36
PG2.A	18	18	18
PG2.B	18	18	18
PG2: Structural Engineering	36	36	36
DS=Total no. of students in all UG and PG programs in the Department	267	270	333
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= 267	S2= 270	S3= 333
DF=Total no. of faculty members in the Department	26	25	25
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= 26	F2= 25	F3= 25
FF=The faculty members in F who have a 100% teaching load in the first-year courses	4	4	4
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 12.14	SFR2= 12.86	SFR3= 15.86
Average SFR for 3 years	SFR= 13.62		

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 = $2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	8	18	13.00	29.23
2024-25(CAYm1)	8	17	13.00	28.46
2023-24(CAYm2)	7	18	16.00	22.19

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 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents..
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	4.00	2.00	2.00	8.00	20.00
2024-25	1.00	4.00	3.00	1.00	9.00	20.00
2023-24	1.00	4.00	3.00	1.00	11.00	20.00
Average	RF1=1.00	AF1=4.00	RF2=2.67	AF2=1.33	RF2=9.33	AF2=20.00

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. O.P. Bhatia	Retired Professor	Civil Engineering Department, SGSITS Indore	Class Lecture:5th semester, PCC-CE-11 Transportation Engineering	24.00
2	Dr. O.P. Bhatia	Retired Professor	Civil Engineering Department, SGSITS Indore	Class Lecture: 7th Semester, PEC-CE-702, (A) Pavement Design	64.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. O.P. Bhatia	Retired Professor	Civil Engineering Department, SGSITS Indore	Class Lecture: 7th Semester, PEC-CE-702, (A) Pavement Design	76.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. O.P. Bhatia	Retired Professor	Civil Engineering Department, SGSITS Indore	Class Lecture: 7th Semester, PEC-CE-701, (B) Traffic Engineering	82.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	8	4	9
2	No. of peer reviewed conference papers published	7	30	3
3	No. of books/book chapters published	12	0	1

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Archana Keerti Chowdhary	Dr. Devaanshi Jagwani; Mr. Lalitesh Sinha	Civil Engineering	Integrating Traditional Water Wisdom into Sustainable Urban Water Management (IKS Scheme)	AICTE, IKS	June-Sep 25	0.90
						Amount received (Rs.):0.90

(CAYm2)

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. Lalitesh Sinha		Civil Engineering	AICTE Mission Amrit Sarovar – Mankheda Lake	AICTE	1 month	2.00
Mr. Neeraj Mishra		Civil Engineering	AICTE Mission Amrit Sarovar – Bairad Talab	AICTE	1 month	2.00
						Amount received (Rs.):4.00

Total Amount (Lacs) Received for the Past 3 Years: 4.90

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
Mr. Arpit Sethia		Civil Engineering	Material Testing – Cube (18/06/2025)	NASK Consultants Indore	One Week	0.01
Mr. Arpit Sethia		Civil Engineering	Material Testing – Cube (10/01/2025)	NASK Consultants Indore	One Week	0.01
Mr. Arpit Sethia		Civil Engineering	Material Testing – Cube (10/01/2025)	NASK Consultants Indore	One Week	0.02
Mr. Arpit Sethia		Civil Engineering	Material Testing – Bricks (15/12/2024)	NASK Consultants Indore	One Week	0.01
Mr. Arpit Sethia		Civil Engineering	Material Testing – Cube (21/11/2024)	NASK Consultants Indore	One Week	0.01
Mr. Arpit Sethia		Civil Engineering	Material Testing – Paver Block (07/11/2024)	NASK Consultants Indore	One Week	0.01
Mr. Arpit Sethia		Civil Engineering	Material Testing – Paver Block (01/07/2024)	NASK Consultants Indore	One Week	0.02
Mr. Sunil Harne	Mr. Arpit Sethia	Civil Engineering	Residential Structure Design @ Indore M.P.	Clint Mr. Shyam Yadav	1 Year	1.00
Mr. Sunil Harne	Mr. Arpit Sethia	Civil Engineering	Retrofitting Design of Office Building @ Indore M.P.	Mr. Sumit Bajwa	1 Year	0.60
Mr. Lalitesh Sinha	Mr. Neeraj Mishra	Civil Engineering	AICTE Amrutam 2.0 (ATAL Mission for Rejuvenation & Urban Transformation) in collaboration with Ministry of Housing & Urban Affairs	AICTE, GOI	4 Moths	1.65
						Amount received (Rs.):3.34

(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
Mr. Arpit Sethiya		Civil Engineering	Material Testing – Paver Block (21/02/2024)	NASK Consultants Indore	One Week	0.01
Mr. Arpit Sethiya		Civil Engineering	Material Testing – Paver Block (13/02/2024)	NASK Consultants Indore	One Week	0.01
Mr. Sunil Harne	Mr. Arpit Sethia	Civil Engineering	Residential Structure Design @ Indore M.P.	Clint Mr. Shubham Yadav	1 Year	0.50
Mr. Sunil Harne	Mr. Arpit Sethia	Civil Engineering	Residential Structure Design @ Indore M.P.	Clint Mr. Sudhanshu Yadav	1 Year	1.50
						Amount received (Rs.):2.02

(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
Mr. Lalitesh Sinha	Mr. Neeraj Mishra	Civil Engineering	AICTE Mission Amrit Sarovar – Jal Dharohar Sanrakshan – Mankheda Lake	AICTE	One Month	2.00
Mr. Neeraj Mishra	Mr. Lalitesh Sinha	Civil Engineering	AICTE Mission Amrit Sarovar – Jal Dharohar Sanrakshan – Bairad Talab	AICTE	One month	2.00
Mr. Sunil Harné	Mr. Arpit Sethia	Civil Engineering	Residential Structure Design @ Indore M.P	Clint Mr. Mohit Kedia	1 Year	2.50
Mr. Sunil Harné	Mr. Arpit Sethia	Civil Engineering	Residential Structure Design @ Indore M.P	Clint Mrs. Uma Bansal	1Year	1.00
						Amount received (Rs.):7.50

Total amount (Lacs) received for the past 3 years: 12.86

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
Mr. Diwakar Singh	Pavement Design (Viscometer Apparatus)	1 Year	0.20	0.17	Paper communication
Dr. Amit Sharma	Earthquake Mitigation (Velocity Controller Apparatus)	1 Year	1.80	1.64	Paper communication
			Amount received (Rs.): 2.00		

(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
Dr. Harish Dwivedi	Rain Water Harvesting System In IES IPS Academy Indore (Weather Station)	1 Year	3.00	2.15	Students Thesis
			Amount received (Rs.): 3.00		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr. Lalitesh Sinha	Estimation Of Rainfall Runoff And Determination Of Ground Water By Resistivity Meter: A Case Study	1 Year	4.00	3.02	Research Paper Publication
			Amount received (Rs.): 4.00		

Total amount (Lacs) received for the past 3 years : 9.00

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

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

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

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Strength of Material Lab	30	Digital Universal Testing Machine 600T	12 hours + 12 I	Mohini Nayak	Lab Assistant	M.Tech. (Structures)
2	Strength of Material Lab	30	Digital Compression Testing Machine 2000T	12 hours + 12 I	Mohini Nayak	Lab Assistant	M.Tech. (Structures)
3	Strength of Material Lab	30	Flexural strength testing machine 100kN	12 hours + 12 I	Mohini Nayak	Lab Assistant	M.Tech. (Structures)
4	Strength of Material Lab	30	Impact Testing Machine	12 hours	Mohini Nayak	Lab Assistant	M.Tech. (Structures)
5	Strength of Material Lab	30	Izod Charpy	12 hours	Mohini Nayak	Lab Assistant	M.Tech. (Structures)
6	Engineering Geology Lab	30	Petrology Rock Specimensset	12 hours	Ankita Shukla	Lab Assistant	MSC
7	Engineering Geology Lab	30	Mineralogy Mineral Specimens set	12 hours	Ankita Shukla	Lab Assistant	MSC
8	Engineering Geology Lab	30	Physical mineralogy collection	12 hours	Ankita Shukla	Lab Assistant	MSC
9	Engineering Geology Lab	30	Signal Stacking Resistivity Meter Instrument	12 hours	Ankita Shukla	Lab Assistant	MSC
10	Engineering Geology Lab	30	Types of Unconformity -33-1+033-6	12 hours	Ankita Shukla	Lab Assistant	MSC
11	Instrumentation Lab	30	DTKD 85 Data logger 80 Channel	12 hours + 12 I	Mohini Nayak	Lab Assistant	M.Tech. (Structures)
12	Instrumentation Lab	30	LVDT±10mm Digital Display	12 hours + 12 I	Mohini Nayak	Lab Assistant	M.Tech. (Structures)
13	Instrumentation Lab	30	12" Diffused light research Polariscopes with accessories	12 hours	Mohini Nayak	Lab Assistant	M.Tech. (Structures)
14	Instrumentation Lab	30	FFT Analyzer PCB086C03	12 hours	Mohini Nayak	Lab Assistant	M.Tech. (Structures)
15	Instrumentation Lab	30	Impact Hammer	12 hours + 12 I	Mohini Nayak	Lab Assistant	M.Tech. (Structures)
16	Instrumentation Lab	30	Ultra Sonic Concrete Tester	12 hours + 12 I	Mohini Nayak	Lab Assistant	M.Tech. (Structures)
17	Simulation Lab	30	ETAB Ultimate V-2016 Indian Standalone License	12 hours + 12 I	Satyendra Verma	Lab Assistant	Diploma

18	Simulation Lab	30	MIDAS GEN (15 User)	12 hours + 12 I	Satyendra Verma	Lab Assistant	Diploma
19	Simulation Lab	30	DIANA FEA	12 hours + 12 I	Satyendra Verma	Lab Assistant	Diploma
20	Simulation Lab	30	ABAQUS	12 hours + 12 I	Satyendra Verma	Lab Assistant	Diploma
21	Simulation Lab	30	PRIMAVERA 6	12 hours + 12 I	Satyendra Verma	Lab Assistant	Diploma
22	Simulation Lab	30	STAAD Pro	12 hours + 12 I	Satyendra Verma	Lab Assistant	Diploma
23	Simulation Lab	30	Auto CAD	12 hours + 12 I	Satyendra Verma	Lab Assistant	Diploma
24	Environmental Engg. Lab	30	Turbidity Meter	12 hours + 12 I	Ankita Shukla	Lab Assistant	MSC
25	Environmental Engg. Lab	30	BOD Incubator Digital	12 hours + 12 I	Ankita Shukla	Lab Assistant	MSC
26	Environmental Engg. Lab	30	Spectrophotometer	12 hours + 12 I	Ankita Shukla	Lab Assistant	MSC
27	Environmental Engg. Lab	30	COD Digester	12 hours + 12 I	Ankita Shukla	Lab Assistant	MSC
28	Environmental Engg. Lab	30	Jar test apparatus	12 hours + 12 I	Ankita Shukla	Lab Assistant	MSC
29	Fluid Mechanics Lab	30	Centrifugal pump test rig with three prefixed speed.	12 hours	Sandeep Sharma	Lab Assistant	ITI
30	Fluid Mechanics Lab	30	Francis turbine test rig output power -3kw	12 hours	Sandeep Sharma	Lab Assistant	ITI
31	Fluid Mechanics Lab	30	Hydraulic Ram test rig	12 hours	Sandeep Sharma	Lab Assistant	ITI
32	Fluid Mechanics Lab	30	Pelton wheel Turbine test rig,	12 hours	Sandeep Sharma	Lab Assistant	ITI
33	Fluid Mechanics Lab	30	Reciprocating pump test rig	12 hours	Sandeep Sharma	Lab Assistant	ITI
34	Fluid Mechanics Lab	30	Bernoulli Apparatus	12 hours	Sandeep Sharma	Lab Assistant	ITI
35	Concrete / CMT	30	Vee Bee consistometer	12 hours + 12 I	Vandana Sharma	Lab Assistant	M.Tech. (Structures)
36	Concrete / CMT	30	Tile Abrasion Testing Machine	12 hours + 12 I	Vandana Sharma	Lab Assistant	M.Tech. (Structures)

37	Concrete / CMT	30	Digital Moisture Meter Accelerated Curing Tank	12 hours + 12 I	Vandana Sharma	Lab Assistant	M.Tech. (Structures)
38	Concrete / CMT	30	Cement Tensile Machine	12 hours + 12 I	Vandana Sharma	Lab Assistant	M.Tech. (Structures)
39	Concrete / CMT	30	Heat of Hydration	12 hours + 12 I	Vandana Sharma	Lab Assistant	M.Tech. (Structures)
40	Geotechnical Engg. Lab	30	Cone Penetrometer, Automatic (universal Penetrometer)	12 hours + 12 I	Shraddha Dwivedi	Lab Assistant	MSC
41	Geotechnical Engg. Lab	30	Triaxial Outfit	12 hours + 12 I	Shraddha Dwivedi	Lab Assistant	MSC
42	Geotechnical Engg. Lab	30	Standarad Penetration Test	12 hours + 12 I	Shraddha Dwivedi	Lab Assistant	MSC
43	Geotechnical Engg. Lab	30	Direct Shear Appararus	12 hours + 12 I	Shraddha Dwivedi	Lab Assistant	MSC
44	Geotechnical Engg. Lab	30	Plate Load Test Truss	12 hours + 12 I	Shraddha Dwivedi	Lab Assistant	MSC
45	Geotechnical Engg. Lab	30	Infra Red Moisture meter	12 hours + 12 I	Shraddha Dwivedi	Lab Assistant	MSC
46	Transportation Lab	30	Laboratory CBR test apparatus	12 hours + 12 I	Vandana Sharma	Lab Assistant	M.Tech. (Structures)
47	Transportation Lab	30	Benkelman Beam	12 hours + 12 I	Vandana Sharma	Lab Assistant	M.Tech. (Structures)
48	Transportation Lab	30	Los Angel's Abrasion Testing Machine	12 hours + 12	Vandana Sharma	Lab Assistant	M.Tech. (Structures)
49	Transportation Lab	30	Ductility Testing Machine	12 hours + 12 I	Vandana Sharma	Lab Assistant	M.Tech. (Structures)
50	Transportation Lab	30	Universal Penetrometer	12 hours + 12 I	Vandana Sharma	Lab Assistant	M.Tech. (Structures)
51	Theory of Structures Lab	30	Suspension Bridge	12 hours	Mohini Nayak	Lab Assistant	M.Tech. (Structures)
52	Theory of Structures Lab	30	Arches 2 and 3 hinged	12 hours	Mohini Nayak	Lab Assistant	M.Tech. (Structures)
53	Theory of Structures Lab	30	Bending Moment And Shear force Apparatus	12 hours	Mohini Nayak	Lab Assistant	M.Tech. (Structures)
54	Theory of Structures Lab	30	Portal Frames	12 hours	Mohini Nayak	Lab Assistant	M.Tech. (Structures)
55	Theory of Structures Lab	30	Behavior of struts, Diff .types of columns Apparatus	12 hours	Mohini Nayak	Lab Assistant	M.Tech. (Structures)

56	Surveying Lab	30	Automatic level	12 hours	Prajwal Chauhan	Research associate	B.Tech. CE
57	Surveying Lab	30	Digital planimeter	12 hours	Prajwal Chauhan	Research associate	B.Tech. CE
58	Surveying Lab	30	Geographical Positioning System (GPS Garmin) channel 12	12 hours	Prajwal Chauhan	Research associate	B.Tech. CE
59	Surveying Lab	30	Total Station	12 hours + 12 I	Prajwal Chauhan	Research associate	B.Tech. CE
60	Surveying Lab	30	Digital Theodolite	12 hours	Prajwal Chauhan	Research associate	B.Tech. CE
61	Heavy Structures Lab	18	Bar Bending Machine	12 hours	Sandeep Sharma	Lab Assistant	ITI
62	Heavy Structures Lab	18	Hydraulic Jack 50KN, 100KN, 500KN, 1000KN	12 hours	Sandeep Sharma	Lab Assistant	ITI
63	Heavy Structures Lab	18	Specific Gravity Frame Pull off Tester (6kN)	12 hours	Sandeep Sharma	Lab Assistant	ITI
64	Heavy Structures Lab	18	Shake Table with Servo Controller Panel Models	12 hours	Sandeep Sharma	Lab Assistant	ITI
65	Heavy Structures Lab	18	Frame ISMB 600 Support angel 60 x 60 x 6	12 hours	Sandeep Sharma	Lab Assistant	ITI

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Geotechnical Engineering Laboratory	1. Fire safety (fire extinguisher) 2. First Aid Box 3. Additional MCB for each equipment 4. Provided with proper earthing arrangement
2	Survey Lab	1. Fire safety (fire extinguisher) 2. First Aid Box 3. Additional MCB for each equipment 4. Provided with proper earthing arrangement
3	Strength of materials lab	1. Fire safety (fire extinguisher) 2. First Aid Box 3. Additional MCB for each equipment 4. Provided with proper earthing arrangement
4	Environmental Engineering Laboratory	1. Fire safety (fire extinguisher) 2. First Aid Box 3. Additional MCB for each equipment 4. Provided with proper earthing arrangement

5	Concrete Technology Lab	1. Fire safety (fire extinguisher) 2. First Aid Box 3. Additional MCB for each equipment 4. Provided with proper earthing arrangement
6	Fluid Mechanics lab	1. Fire safety (fire extinguisher) 2. First Aid Box 3. Additional MCB for each equipment 4. Provided with proper earthing arrangement
7	Transportation Engineering Laboratory	1. Fire safety (fire extinguisher) 2. First Aid Box 3. Additional MCB for each equipment 4. Provided with proper earthing arrangement 5. Working Gloves

D3. Project Laboratory/Research Laboratory

Table No. 7.5.1: List of project laboratory/research laboratory /Centre of Excellence

S. No.	Name of the Laboratory	Utilization
1	Project lab	All the laboratories are well equipped with equipment for conducting B.Tech Projects. The Labs have all the necessary equipment including the equipment required for field studies. Both analytical and experimental tools are available. For example, those students who are doing their project work in the area of Pavement Engineering or Traffic Engineering have all the Pavement material characterization equipment available in the lab besides equipment required for design of Bituminous, WMM, WBM mixes. Also, software's for the analysis of data and field equipment like Benkelman Beam, Bump Integrator, Theodolite and Speed Gun etc. are available for project work of students. Many of the facilities available for project work of students are shown in tables above. Any funding required for fabrication of equipment, purchase of equipment, purchase of material, with regard to the project work of the students, is readily provided by the Civil Engineering Department on submission of an application by the students through their supervisors/ guides. The facilities available in other departments are also utilized and there is no restriction for that. A student doing project work in some area of Civil Engineering can use any lab in the department where the facility required for his/ her project work is available. This allows optimum utilization of the facilities.

S. No.	Name of the Laboratory	Utilization
1	Research Lab (A) Instrumentation lab	Instrumentation lab is well equipped and advanced experiments lab. The laboratory course exposes students to basic understanding of the construction and operation of basic mechatronic sensors and measuring devices, such as polariscope, strain gages, load cells, potentiometers, and thermocouples. Recognize the fundamentals, operations, and controls of simple measuring systems with real-world applications. This laboratory is equipped with a series of simple, but effective and well-directed, experiments that illustrate the use and application of basic instrumentation for measurement and analysis of mechanical/electronic systems. Students are guided through these laboratory exercises by a set of precise instructions for data acquisition and analysis.
2	Research Lab (B) Heavy structures lab	The "MODROB" scheme aims to modernize and remove obsolescence in the Laboratories / Workshops, Computing facilities (Libraries are excluded), so as to enhance the functional efficiency of Technical Institutions for Teaching, Training and Research purposes. The scheme is sponsored by AICTE. It also supports new innovations in classroom and laboratory / Teaching Technology; development of lab instructional material and appropriate technology to ensure that the practical work and project work to be carried out by students is contemporary and suited to the needs of industry. The equipment financed under the scheme are ideally used for up gradation of equipment in existing laboratories, enhancement of performance parameter specification of existing equipment, incorporation of latest development in the field .In addition to above major objectives, the equipment installed through MODROBS can be used for indirect benefit to faculty / students through continuing educational programs, training programs for local industry and consultancy work.
3	Research Lab (C) Simulation Lab	Used by M.tech students for the analysis, design and evaluation. Various software's such as ABAQUS,ANSYS,SAP2000,ETAB etc is installed for the simulation of various models of different structures .These labs bridge theoretical knowledge with practical application, allowing for risk-free experimentation and optimization.
S. No.	Name of the Laboratory	Utilization

1	Centre of Excellence Concrete lab	The Center of Excellence (CoE) Lab represents a vital bridge between academic knowledge and industry practice. Through strategic partnerships, particularly with ULTRATECH Cement Ltd (Ultratech), the CoE Lab aims to enhance the educational experience of students while contributing to advancements in the cement and construction industries. The focus on sustainable materials and practices further positions the CoE Lab as a leader in innovative and environmentally responsible construction methods. For this, Ultratech chose Concrete and Material Testing Lab as Centre of Excellence for Sustainable Construction Materials. The centre of Excellence (CoE) Lab was established on March 21st, 2024 in addition MoU is also signed between Ultratech and the Institute. The CoE Lab serves as an innovation hub where UG and PG students engage in research projects that address technical challenges faced by Ultratech. Under the guidance of industry, students develop solutions that improve operational processes, enhance material quality, and promote sustainability in construction. These projects not only benefit Ultratech but also provide students with valuable experience in solving real-world engineering problems.  Centre of Excellence lab developed by ULTRATECH Cement
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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= $\frac{\text{No. of faculty members } ((NS1 \times 0.8) + (NS2 \times 0.2))}{\text{No. of required faculty (RF4)}} \times 100$; Percentage= $\frac{((NS1 \times 0.8) + (NS2 \times 0.2))}{RF}$
2023-24(CAYm2)	1080	54	32	28	58
2024-25(CAYm1)	1350	68	37	29	52
2025-26(CAY)	1380	69	38	30	53

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

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

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	15000000	10230267	13500000	12165791	30000000	29247341	3000000	2849542

Library	4000000	3165554	4000000	3827562	3600000	2942647	3000000	2671152
Laboratory equipment	15000000	11157366	15000000	11293138	17500000	14597042	17000000	16582225
Teaching and non-teaching staff salary	380000000	371841161	310000000	306841161.9	210000000	198729602.6	217000000	216013546
Outreach Programs	850000	497132	850000	445936	800000	276974	700000	643959
R&D	15500000	6390126.14	15000000	11943535	14500000	11377521	13000000	12293948
Training, Placement and Industry linkage	17000000	16386192	13000000	12546196	11000000	9983475	10000000	8962633
SDGs	6500000	6172818	5500000	4882136	5000000	4750248	4500000	3948526
Entrepreneurship	1500000	1282000	1500000	1212111	1400000	1278748	1300000	1174590
Others, specify	260000000	255911918.86	148000000	146195460.96	123000000	119016351.81	162000000	149976963.6
Total	715350000	683034535.00	526350000	511353027.86	416800000	392199950.41	431500000	415117084.6

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

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

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Laboratory equipment	5100000	5060234	50000	17417	0	0	200000	193640
Software	800000	760709	750000	731450	580000	572426	600000	572426
SDGs	350000	316285	300000	285714	300000	304616	250000	228000
Support for faculty development	500000	455309	350000	357188	300000	237418	250000	280301
R & D	600000	598504	300000	300959	1100000	1046886	750000	701501
Industrial Training, Industry expert, Internship	450000	422000	200000	192865	300000	272756	600000	596611
Miscellaneous Expenses*	300000	237921	300000	258000	250000	243982	350000	340412
Total	8100000	7850962	2250000	2143593	2830000	2678084	3000000	2912891