

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 : 10392	Date of Submission : 17-03-2025

PART A- Profile of the Institute

A1.Name of the Institute : SHRI G.S. INSTITUTE OF TECHNOLOGY & SCIENCE	
Year of Establishment : 1952	Location of the Institute: INDORE
A2. Institute Address :23, VISVESVARAYA MARG (PARK ROAD)	
City:INDORE	State:Madhya Pradesh
Pin Code:452003	Website:WWW.SGSITS.AC.IN
Email:DIRECTOR@SGSITS.AC.IN	Phone No(with STD Code):0731-25444152434095
A3. Name and Address of the Affiliating University (if any):	
Name of the University : RAGIV GANDHI PROUDLOGIKL VISHWAVIDYALAYA,BHOPAL	City: Indore
State : Madhya Pradesh	Pin Code: 452003
A4. Type of the Institution : Government Aided Institute	
A5. Ownership Status : Government Aided	

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

- No. of UG programs: **10**
- No. of PG programs: **21**

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	Computer Application	PG	Master of Computer Application	2001	--	Computer Application
2	Engineering & Technology	UG	Biomedical Engineering	2002	--	Biomedical Engineering
3	Engineering & Technology	PG	Biomedical Signal Processing & Instrumentation	2002	--	Biomedical Engineering
4	Engineering & Technology	PG	CAD/CAM	1956	--	Mechanical Engineering
5	Engineering & Technology	UG	Civil Engineering	1956	--	Civil Engineering
6	Engineering & Technology	PG	Computer Engineering	1986	--	Computer Engineering
7	Engineering & Technology	UG	Computer Science and Engineering	1983	--	Computer Engineering
8	Engineering & Technology	UG	Electrical Engineering	1954	--	Electrical Engineering
9	Engineering & Technology	PG	Electronics & Communication Engineering	1973	--	Electronics and Communication Engineering

10	Engineering & Technology	UG	Electronics & Instrumentation Engineering	1985	--	Electronics and Instrumentation Engineering
11	Engineering & Technology	UG	Electronics and Telecommunication Engineering	1972	--	Electronics and Telecommunication Engineering
12	Engineering & Technology	PG	Environmental Engineering	1994	--	Civil Engineering
13	Engineering & Technology	UG	Industrial & Production Engineering	1982	--	Industrial and Production Engineering
14	Engineering & Technology	PG	Industrial Engineering and Management	1983	--	Industrial and Production Engineering
15	Engineering & Technology	UG	Information Technology	2000	--	Information Technology
16	Engineering & Technology	PG	Information Technology	2000	--	Information Technology
17	Engineering & Technology	PG	Manufacturing Engineering	1983	--	Industrial and Production Engineering
18	Engineering & Technology	UG	Mechanical Engineering	1964	--	Mechanical Engineering
19	Engineering & Technology	PG	Mechanical Engineering Design	1956	--	Mechanical Engineering
20	Engineering & Technology	PG	Micro Electronics & VLSI Design	1999	--	Electronics and Instrumentation Engineering
21	Engineering & Technology	PG	Power Electronics	1957	--	Electrical Engineering
22	Engineering & Technology	PG	Power System & Control	1957	--	Electrical Engineering
23	Engineering & Technology	PG	Structural Engineering	1965	--	Civil Engineering
24	Engineering & Technology	PG	Thermal Engineering	1956	--	Mechanical Engineering
25	Engineering & Technology	PG	Transportation Engineering	1969	--	Civil Engineering
26	Engineering & Technology	PG	Water Resource Engineering	1993	--	Civil Engineering
27	Management	PG	Master of Business Administration	2012	--	Management
28	Management	PG	MBA (Hospital Administration)	2023	--	Management
29	Pharmacy	PG	Industrial Pharmacy	1989	--	Pharmacy
30	Pharmacy	PG	Pharmaceutical Chemistry	1989	--	Pharmacy
31	Pharmacy	UG	Pharmacy	1986	--	Pharmacy

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 ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Civil Engineering	UG	1956 / --	60	Yes	2020	90	2020	YES	Granted accreditation for 5 years for the period (specify period)	2015	2020	1	4
Sanctioned Intake for Last Five Years for the Environmental Engineering														
Academic Year				Sanctioned Intake										
2024-25				90										
2023-24				90										
2022-23				90										
2021-22				90										
2020-21				90										
2019-20				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. S.M. Narulkar
B. Nature of appointment:	Regular
C. Qualification:	ME/M. Tech and PhD

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)	90	90	90	90	90	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	90	90	90	90	90	103	120
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	9	6	8	9	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	25	27	25	11	7	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	115	126	121	109	106	112	132

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)	90	90	25	127.78
2023-24 (CAYm1)	90	90	27	130.00
2022-23 (CAYm2)	90	90	25	127.78

Average [(ER1 + ER2 + ER3) / 3] = 128.52≡ 100

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

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

Item	(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).	106.00	129.00	132.00
B=No. of students who graduated from the program in the stipulated course duration	82.00	98.00	107.00
Success Rate (SR)= (B/A) * 100	77.36	75.97	81.06

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 78.13

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)	6.07	5.98	6.30
Y=Total no. of successful students	99.00	97.00	98.00
Z=Total no. of students appeared in the examination	117.00	114.00	101.00
API [X*(Y/Z)]	5.14	5.09	6.11

Average API[(AP1+AP2+AP3)/3] : 5.45

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)	5.98	5.88	6.86
Y=Total no. of successful students	87.00	92.00	100.00

Z=Total no. of students appeared in the examination	103.00	106.00	104.00
API [X * (Y/Z)]	5.05	5.10	6.60

Average API [(AP1 + AP2 + AP3)/3] : 5.58

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)	5.80	5.90	7.03
Y=Total no. of successful students	88.00	92.00	104.00
Z=Total no. of students appeared in the examination	92.00	100.00	107.00
API [X*(Y/Z)]:	5.55	5.43	6.83

Average API [(AP1 + AP2 + AP3)/3] : 5.94

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	99.00	129.00	132.00
X=No. of students placed	34.00	32.00	25.00
Y=No. of students admitted to higher studies	3.00	5.00	0.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	37.37	28.68	18.94

Average Placement Index = (P_1 + P_2 + P_3)/3: 28.33 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)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr. Vijay Rode	XXXXXXXX50P	ME/M. Tech and PhD	IIT BOMBAY	STRUCTURAL ENGINEERING	21/08/1981	43.1	Assistant Professor	Professor	09/10/1998	Regular	No	30/09/2024	No
2	Dr. Mrs. Vandana Tare	XXXXXXXX06C	ME/M. Tech and PhD	DAVV INDORE	TRANSPORTATION ENGINEERING	01/06/1981	42.3	Assistant Professor	Professor	18/06/2005	Regular	No	31/08/2023	No

3	Dr. H.K. Mahiyar	XXXXXXXX18G	ME/M. Tech and PhD	DAVV INDORE	GEOTECHNICAL ENGINEERING	05/04/1989	35.10	Assistant Professor	Professor	27/03/2003	Regular	Yes		No
4	Dr. S.M. Narulkar	XXXXXXXX94D	ME/M. Tech and PhD	IIT BOMBAY	WATER RESOURCES ENGINEERING	05/09/1986	38.5	Assistant Professor	Professor	18/06/2005	Regular	Yes		Yes
5	Dr. Rakesh Khare	XXXXXXXX62A	ME/M. Tech and PhD	DAVV INDORE	STRUCTURAL ENGINEERING	15/02/1988	37	Assistant Professor	Professor	18/06/2005	Regular	Yes		No
6	Dr. Sunil Ajmera	XXXXXXXX40M	ME/M. Tech and PhD	RGPV BHOPAL	WATER RESOURCES ENGINEERING	17/02/1986	39	Assistant Professor	Professor	03/02/2017	Regular	Yes		No
7	Mr. Mileen Lagate	XXXXXXXX86D	M.E/M.Tech	DAVV INDORE	STRUCTURAL ENGINEERING	18/02/1986	39	Assistant Professor	Associate Professor	02/01/2006	Regular	Yes		No
8	Mr.Devendra Dohare	XXXXXXXX57A	M.E/M.Tech	RGPV BHOPAL	ENVIRONMENTAL ENGINEERING	31/08/2006	18.5	Assistant Professor	Associate Professor	15/07/2019	Regular	Yes		No
9	Dr.Sunil Kumar Ahirwar	XXXXXXXX26A	ME/M. Tech and PhD	IIT BOMBAY	GEOTECHNICAL ENGINEERING	30/09/2006	18.4	Assistant Professor	Associate Professor	14/10/2019	Regular	Yes		No
10	Mr.Vivek Tiwari	XXXXXXXX16H	M.E/M.Tech	RGPV BHOPAL	STRUCTURAL ENGINEERING	14/09/2018	6.5	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mr. Tarun Kumar Narnaure	XXXXXXXX95R	M.E/M.Tech	MANIT BHOPAL	TRANSPORTATION ENGINEERING	14/09/2018	6.5	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mr. Rakesh Purviya	XXXXXXXX52D	M.E/M.Tech	MANIT BHOPAL	WATER RESOURCES ENGINEERING	24/07/2017	7.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
13	Ms. Suninda Parmar	XXXXXXXX43F	M.E/M.Tech	RGPV BHOPAL	CONSTRUCTION PLANNING & MANAGEMENT	26/08/2021	3.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
14	Ms. Iqra Mansuri	XXXXXXXX48M	M.E/M.Tech	RGPV BHOPAL	WATER RESOURCES ENGINEERING	01/08/2023	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
15	Dr. Akash Jaiswal	XXXXXXXX05C	ME/M. Tech and PhD	MANIT BHOPAL	GEOTECHNICAL ENGINEERING	16/07/2024	0.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
16	Dr. Arti Sahu	XXXXXXXX83R	ME/M. Tech and PhD	ANNA UNIVERSITY	STRUCTURAL ENGINEERING	11/07/2024	0.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
17	Ms. Megha Patel	XXXXXXXX23K	M.E/M.Tech	MANIT BHOPAL	URBAN DEVELOPMENT	10/08/2023	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
18	Mr. Mahesh Chandra	XXXXXXXX02E	M.E/M.Tech	SVNIT SURAT	STRUCTURAL ENGINEERING	20/12/2019	5.2	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
19	Ms. Namrata Khede	XXXXXXXX87D	M.E/M.Tech	RGPV BHOPAL	TRANSPORTATION ENGINEERING	10/08/2023	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
20	Ms. Shruti Bajpai	XXXXXXXX12M	M.E/M.Tech	RGPV BHOPAL	ENVIRONMENTAL ENGINEERING	10/08/2018	6.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No

21	Ms. Soumya Saklecha	XXXXXXXX58B	M.E/M.Tech	NIT K	ENVIRONMENTAL ENGINEERING	24/08/2022	2.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
22	Mr. Pranav Thepe	XXXXXXXX28C	M.E/M.Tech	NITTTR BHOPAL	CONSTRUCTION PLANNING & MANAGEMENT	25/08/2021	3.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
23	Ms. Nikita Verma	XXXXXXXX38F	M.E/M.Tech	RGPV BHOPAL	TRANSPORTATION ENGINEERING	10/07/2024	0.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
24	Ms. Sarika Khedekar	XXXXXXXX17P	M.E/M.Tech	RGPV BHOPAL	ENVIRONMENTAL ENGINEERING	11/07/2024	0.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
25	Mr. Krishna Pratap Verma	XXXXXXXX72J	M.E/M.Tech	RGPV BHOPAL	STRUCTURAL ENGINEERING	17/07/2019	5.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
26	Mr. Avinash Mishra	XXXXXXXX53N	M.E/M.Tech	RGPV BHOPAL	TRANSPORTATION ENGINEERING	10/08/2023	0.9	Assistant Professor	Assistant Professor		Contractual Fulltime	No	31/05/2024	No
27	Mr. Nikunj Binnani	XXXXXXXX70Q	M.E/M.Tech	RGPV BHOPAL	STRUCTURAL ENGINEERING	22/01/2018	5.3	Assistant Professor	Assistant Professor		Contractual Fulltime	No	01/05/2023	No
28	Mr. Ajay Rajauriya	XXXXXXXX74Q	M.E/M.Tech	IIT GUWAHATI	STRUCTURAL ENGINEERING	27/08/2021	2.6	Assistant Professor	Assistant Professor		Contractual Fulltime	No	11/03/2024	No

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

C2. Student-Faculty Ratio (SFR)

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

UG1=1st UG program

UGn=nth UG program

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

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

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

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

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

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

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

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

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

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

No. of UG Programs in the Department1 No. of PG Programs in the Department4

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

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1.B	99	99	99
UG1.C	99	99	99
UG1.D	99	99	129
UG1: Civil Engineering	297	297	327

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
PG1.A	12	12	12
PG1.B	12	12	18
PG1: Environmental Engineering	24	24	30
PG2.A	18	18	18
PG2.B	18	18	25
PG2: Structural Engineering	36	36	43
PG3.A	12	12	12
PG3.B	12	12	18
PG3: Transportation Engineering	24	24	30
PG4.A	12	12	12
PG4.B	12	12	12
PG4: Water Resource Engineering	24	24	24
DS=Total no. of students in all UG and PG programs in the Department	405	405	454
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= 405	S2= 405	S3= 454
DF=Total no. of faculty members in the Department	23	21	19
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= 23	F2= 21	F3= 19
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 18.41	SFR2= 20.25	SFR3= 25.22
Average SFR for 3 years	SFR= 21.29		

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)	6	17	20.00	16.00
2023-24(CAYm1)	6	15	20.00	15.00
2022-23(CAYm2)	7	12	22.00	13.41

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)

- RF1= No. of Professors required = $1/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents:}$.
- RF2= No. of Associate Professors required = $2/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:}$.
- RF3= No. of Assistant Professors required = $6/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:}$.
- 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 RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2024-25	2.00	4.00	4.00	1.00	13.00	4.00
2023-24	2.00	5.00	4.00	1.00	13.00	4.00
2022-23	2.00	6.00	5.00	1.00	15.00	4.00
Average	RF1=2.00	AF1=5.00	RF2=4.33	AF2=1.00	RF2=13.67	AF2=4.00

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)

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Amit Milani	SENIOR CONSULTANT	AMIT MILANI & ASSOCIATES	EARTHQUAKE RESISTANT DESIGN OF STRUCTURE AND DESIGN OF TALL STRUCTURE	26.00
2	Er. J.K. JAIN	SENIOR CONSULTANT	SKELETON CONSULTANTS PVT.LTD.	ADVANCE R.C.C. STRUCTURE, ADVANCE BUILDING DESIGN, ADVANCE METAL STRUCTURE, ADVANCE MECHANICS	48.00

(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	11	11	20
2	No. of peer reviewed conference papers published	1	3	1
3	No. of books/book chapters published	4	2	1

C7. Sponsored Research Project

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

(CAYm1)

(CAYm2)

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Vandana Tare	NIL	CE-AMD	PERFORMANCE EVALUATION OF CEMENT CONCRETE PAVEMENTS IN RURAL ROADS	NATIONAL RURAL INFRASTRUCTURE DEVELOPMENT AGENCY	1 YEAR	22.96
						Amount received (Rs.):22.96

Total Amount (Lacs) Received for the Past 3 Years: 22.96

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.

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
Prof. Sunil K. Ahirwar, Prof. Tarun Narnaure		CE-AMD	Basalt Testing and Consultancy	South Central Railway	2023-24	0.84
Prof. Sunil K. Ahirwar, Prof. Devendra Dohare	Prof. Vivek Tiwari, Prof. Tarun Kumar Narnaure	CE-AMD	Concrete Mix Design	IMC Indore	2023-24	0.18
Dr. S. M. Narulkar, Dr. H. K. Mahiyar	Dr. Sunil K. Ahirwar, Prof. Devendra Dohare, Vivek Tiwari, Tarun Kumar Narnaure	CE-AMD	Concrete Testing	IMC Indore	2023-24	1.03
Prof. Tarun Kumar Narnaure		CE-AMD	Filter Media Testing	IMC Neemuch Filter Media	2023-24	0.04
Dr. S. M. Narulkar, Dr. H. K. Mahiyar	Prof. Vivek Tiwari, Prof. Tarun Kumar Narnaure	CE-AMD	Material Testing and Consultancy	EE PWD Dewas M.P.H.I.D.C. B.R. Goyal Asiatic Traders Indore Sr, Sect. Er. MS Shree Mangalam Builders SAM Built Well Pvt. Ltd.	2023-24	1.34
Dr. S. M. Narulkar, Dr. S. B. Ajmera	Dr. Sunil K. Ahirwar, Prof. Devendra Dohare, Vivek Tiwari, Tarun Kumar Narnaure	CE-AMD	Paver block Concrete testing	IMC Indore	2023-24	2.71
Dr. H. K. Mahiyar, Prof. M. K. Laghate, Sunil K. Ahirwar	Prof. Vivek Tiwari, Prof. Tarun Kumar Narnaure	CE-AMD	Soil Testing and Investigation	MPBPCL Sita Homes Indore Digiana Indore Er. Ashish Kumawat Police Housing & Infrastructure Indore DCE South Central Railway Akola CPWD, Indore Smt. Minakshi Yadav MPCA Holkar Stadium Khedapati Hotel & Resort, Dewas M.P.R.R.D.A. S.S. Buildcon NEC-PEL JV M/s. VIMA – THE DIMENSION Indore MPIDC Ubsiew M/s. B.R. Goyal Vima Dimension DCE Construction MIS ISC Project MPJAM Jhabua M/s MEIL Trishika Industries Pvt. Ltd.	2023-24	7.85
Prof. Devendra Dohare		CE-AMD	Water Parameter Testing	Megha Engg. & Infra. Sehore CPWD, Indore SAM Built Well Pvt. Ltd. CPWD, Indore MIS Anand Construction IMC Indore Hrikin Developers	2023-24	0.27

Dr. S. M. Narulkar, Dr. H. K. Mahiyar	Dr. Sunil K. Ahirwar, Prof. Devendra Dohare, Vivek Tiwari, Tarun Kumar Narnaure	CE-AMD	Mix Design	concrete design mix M30 construction of laboratory complex at IIT Indore Preparing design mix with Ultra Tech cement and JK cement Preparing design mix with Ultra Tech cement and JK cement Conducting design mix of grades as below mentioned as per relevant IS courts of RCC as 383 for grading 2911 four pile 456-2000 and 102621-9824 rcc work in railway work Conducting design mix of grades as below mentioned as per relevant IS codes of RCC as 383 for grading 2911 four pile 456-2000 and 10262 1982 for rcc work in railway work mix design for M30, M 25, M 20 with Birla Utham cement opc 43 grade mix design M30 Mix Design M25 and mix design M15 Conducting design mix of grades as below mentioned as per relevant IS codes of RCC as 383 for grading 2911 four pyle 456-2000 and 10262 1982 for rcc work in railway work Concrete mix design M30 construction of laboratory complex at IIT Indore Concrete design mix M30 construction of multipurpose hall near Central Dining facility of IIT Indore concrete design mix M30 construction of 200 capacity boys hostel and workshop building including electrical and horticulture works at MSMEIGTR Indore mix design grade of M-15 M30 Mix design grade of M35 Preparation of mix design of M30 design mix for M3025 2015 with Ultra Tech cement PPC and MP Burla cement PPC Kukshi microlift irrigation project in Thar District Madhya Pradesh NVDA project conducting design mixes for M30 M25 M20 M15 grades of concrete design mix for M20 M25 M30M35 M40 M45 grades	2023-24	29.90
Dr. R. K. Khare	Prof. Vivek Tiwari	CE-AMD	Struct Proof checking of structural drawing (with necessary calculation and details) of Firing Range Structures	MP Police Housing Indore	32 days	0.54
Dr. S. K. Ahirwar		CE-AMD	Pile Load Test Report	CPWD Indore Sanjay Jain	5 days	0.21
Dr. S. B. Ajmera	Prof. Devendra Dohare	CE-AMD	Checking of water supply DPR of Niwali Town	CMO Nagar Parishad, Niwali Bujurg	10 days	1.01
Dr. R. K. Khare	Dr. Sunil Ahirwar and Prof. Vivek Tiwari	CE-AMD	CAC/CAP/05/2021-22 Provision of four Igloos storage of armament store as per CWR at AF STN, Gwalior	Mohit Goyal EE GO (AP) MES Gwalior	21 days	0.33
Dr. R. K. Khare	Prof. Vivek Tiwari	CE-AMD	Site visit, material testing and consultancy advise reg delapidated/Tattered/damaged residential constable quarters (8+18), DRP Line Khargone M.P.	MP Police Housing Indore	52 days	2.44
Dr. S. M. Narulkar	Prof. Vivek Tiwari	CE-AMD	Reg Inspection of Balwasa Barrage	EE WRD No. 1 Jhabua Jain Engg.	65 days	0.40
Dr. Vijay Rode	Prof. M.K. Laghate and Prof. Vivek Tiwari	CE-AMD	Site visit report of Arch Bridge over Narmada River in Indore-Khandwa Route situated near Mortakka Village	Prsoject Director NHAI Indore	57 days	0.60
Dr. Vijay Rode	Prof. M.K. Laghate and Prof. Vivek Tiwari	CE-AMD	Proof checking of detailed structural drawing and design of small ETP and STP Plant with Pump Room Civil Hospital Indore and Dewas	Aadharshila Firm Dewas	68 days	0.67
Prof. M.K. Laghate	Dr. S.K. Ahirwar	CE-AMD	Site Visit of "Masonry Building No. 22/10 (old 32/10) situated in zone -17, ward-23 Pardeshipura, Indore" for building structural audit	IMC Indore Zone No. 17 Narwal Zone	39 days	0.33

Dr. R. K. Khare	Prof. M.K. Laghate and Prof. Vivek Tiwari	CE-AMD	Vetting of structural design and drawing of Piles, Pile Cap and Pier 10 Nos of Flyover at Bhawarsla (Luvkush) square along MR 10 Rd and Supercorridor, Indore M.P.	EE IDA Indore	6 months	3.10
Dr. S. M. Narulkar	Dr. S. B. Ajmera	CE-AMD	Consultancy report reg site visit report of Natnagara talab	CMO Nagar Parishad, Dhar	1 day	0.40
Dr. S. M. Narulkar	Prof. Vivek Tiwari	CE-AMD	Site visit and NDT testing report of LIG Building IDA Scheme No. 54 Indore	EE PHE Musakhedi Indore	3 months	0.40
Dr. S. M. Narulkar	Dr. S.B. Ajmera and Dr. S. K. Ahirwar	CE-AMD	Consultancy report regarding site visit report of retaining wall	Nagar Parishad Karhi-Padlyakhurd Khargone	6 months	4.10
Dr. S. K. Ahirwar		CE-AMD	Pile Load Test Report	CPWD Indore	5 months	0.21
Dr. R. K. Khare		CE-AMD	Checking of design and drawing of RCC 20,000 litre/hour electric operated fluoride removable community water treatment plant at village dehari, Block kushki of Dist DHAR, M.P.	Wist Water Solution Pvt. Ltd. Kilkata	14 days	0.33
Dr. S. K. Ahirwar		CE-AMD	Lateral Pile Load Test Report	CPWD Indore Sanjay Jain	30 days	0.48
Dr. S. M. Narulkar	Dr. S. K. Ahirwar	CE-AMD	Stability Check and quality testing for under construction barage, nagar parishad, kumbhraj	Nagar Parishad Kumbhraj Distt.Guna	7 months	0.54
Dr. S. M. Narulkar	Dr. S.B. Ajmera, Dr. S. K. Ahirwar	CE-AMD	Checking for design of Retaining Wall divided into two portion, one of length 300 mtr and second 250 m at Karhi-Padliya khurd distt Khargone M.P.	Nagar Parishad Karhi-Padlyakhurd Khargone	26 days	0.94
Dr. S. M. Narulkar	Dr. S. K. Ahirwar	CE-AMD	Checking of structural design of retaining wall for S.D.M.F scheme	CMO Nagar Parishad Omkareshwar, Khandwa	3 months	0.40
Dr. S. M. Narulkar	Dr. S. K. Ahirwar	CE-AMD	Site Visit of RCC Nalla's structural drawing design for S.D.M.F. scheme	CMO Nagar Parishad Omkareshwar, Khandwa	7 days	0.40
Dr. R. K. Khare	Prof. Vivek Tiwari	CE-AMD	NDT report of structural stability checking and inspection of old Over Head Tank of Income Tax Colony, Residency Area, Indore M.P.	AE CPWD Division 1 Indore	4 months	0.54
Dr. Vijay Rode	Prof. M. K. Laghate	CE-AMD	Drawing and Design of Pulp House 1 of Micro Irrigation system for Samaakota Barrage Pariyojna	EE Water Resources M/s. Goodwill	1 month	1.35
Dr. Vijay Rode	Prof. M. K. Laghate, Prof. Vivek Tiwari	CE-AMD	load test of Arch Bridge over Narmada River situated near Mortaka Village on Indore Khandwa route	Project Director, NHAI Indore	4 months	5.42
Dr. Vijay Rode	Prof. Vivek Tiwari	CE-AMD	Site visit and NDT testing report of LIG Building IDA Scheme No. 54 Indore	IDA Indore	6 months	0.73

Dr. Vijay Rode	Prof. Vivek Tiwari	CE-AMD	Vetting of structural design and drawing of Botany Lab PG College, Khargone	EE MP HB I DB Khandwa	6 months	0.54
Dr. R. K. Khare	Dr. S. B. Ajmera	CE-AMD	Building Safety certificate after due inspection and visual rapid screening	Delhi Public School, Indore	7 days	2.71
Dr. R. K. Khare	Dr. R. K. Khare, Prof. Vivek Tiwari, Prof. Tarun Kumar Namaure	CE-AMD	Testing of construction work of upgradation of 6 bed medical facility to 30 bed community health centre at block bhagwanpur dist Khargone	EE Building P.W.D. Khargone	7 months	2.46
Dr. S. M. Narulkar	Dr. S. K. Ahirwar	CE-AMD	Site visit for checking the strength of wall of sitaram jaju sagar dam	CMO Nagar Palika Parishad, Neemuch	1 month	0.54
Dr. R. K. Khare	Prof. M. K. Laghate	CE-AMD	Proof checking of design and approval drawing of PEB Structure for Shrewsbury Int. School India, Mungaliachhap Bhopal M.P. (Jagran Social Welfare Society)	P.F.P.L. C/o Jagrn Social Welfare Society	6 days	1.35
Prof. M. K. Laghate	Prof. Tarun Kumar Namaure	CE-AMD	NDT of administration office having cracks situated at YN Rd Indore	Chief Manager, SBI Indore	3 months	0.81
Dr. Vijay Rode	Dr. R. K. Khare, Prof. M. K. Laghate, Prof. Vivek Tiwari	CE-AMD	Proof checking of structural drawing and design of commercial building (City Palace Mall), Burhanpur	Rajkumar Gupta LLP Khandwa	6 months	5.56
Dr. Vijay Rode	Prof. M. K. Laghate	CE-AMD	Site visit for inspection of Over Head water tanks near Saket Club, Indore	EE Lok Swastha Yantiriki Khand No. 2, Indore	2 months	0.54
Dr. S. M. Narulkar	Prof. M. K. Laghate, Prof. Tarun Kumar Naunaure	CE-AMD	site visit for inspection of Two-lane 270 meter long box bridge by 30 meters fan located at PIU Rathlam Advaniya Chandigarh to Bajna Banswada Road damage during September 2023 flood	GM MPRRDA Ratlam MP	2 months	1.35
Dr. S. M. Narulkar	Prof. M. K. Laghate, Prof. Tarun Kumar Naunaure	CE-AMD	Rapid vishal screening for Navlakha Complex building at Indore	Indore Development Authority Indore	40 days	6.78
Dr. S. M. Narulkar	Dr. S. B. Ajmera	CE-AMD	Approval Drawing and design of barrage and earthen dam of samakota barrage	EE Water Resources Devision Ujjain Goodwill	5 months	8.14
Dr. R. K. Khare	Prof. M. K. Laghate	CE-AMD	Checking of design and drawing of unfold hoarding at Jaoara compound site Indore MP	ZIVAH Pvt. Limited	29 days	0.38
						Amount received (Rs.):101.19

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. Rakesh Khare, Dr. H.K. Mahiyar	Dr. Sunil Ajmera, Shri Mileen Laghate	CE-AMD	Checking of Structural Design & Drawing	CMO Nagar Parishad, Badwani	1 MONTH 27 DAYS	2.28
Dr. Rakesh Khare	Mr. Vivek Tiwari	CE-AMD	Approval of Stock Foundation 92.5 MLD	Ujjain Municipal Corp, Ujjain	3 MONTH 16 DAYS	0.34
Mr. M.K. Laghate	Mr. Vivek Tiwari	CE-AMD	Checking of Design and Drawing of 92.5 MLD MPS MCC Building	Ujjain Municipal Corp, Ujjain	2 MONTH 22 DAYS	0.34
Dr. Vijay Rode, Dr. Rakesh Khare	Mr. M.K. Laghate, Mr. Vivek Tiwari	CE-AMD	Checking of Drg. Design Del Chamber 01 ISP - Parwati River Ph-III & IV	Narmada Development Circle No. 8, Khargone	2 MONTH 6 DAYS	2.24
Dr. Vijay Rode, Dr. Rakesh Khare	Mr. M.K. Laghate, Mr. Vivek Tiwari	CE-AMD	Checking of Structural Design & Drawing	PWD Setu Nirman Bhopal	21 DAYS	6.67
Dr. Rakesh Khare	Mr. Vivek Tiwari	CE-AMD	Proof Checking of LED	Mayank Maithil Structural	1 DAY	0.20
Dr. Vijay Rode	Mr. Vivek Tiwari	CE-AMD	Site Visit & Inspections	Jagruti H.S.S. Committee Indore	2 DAYS	0.34
Dr. Rakesh Khare	Mr. M.K. Laghate	CE-AMD	Checking of design and Drawing	ATFC Aditya Techno. Dhar	10 DAYS	1.22
Dr. Vijay Rode	Mr. Vivek Tiwari	CE-AMD	Structural Drg. & Dgn	Ektelon Engineering and Projects Private Limited, Indore	3 DAYS	0.34
Dr. Sunil Ajmera	Mr. Devendra Dohre	CE-AMD	D.P.R. Vetting	Nagar Parishad, Badwani	28 DAYS	0.54
Dr. Vijay Rode	Mr. M.K. Laghate	CE-AMD	Technical Visit ROB	IDA Indore	2 MONTHS 30 DAYS	0.31
Dr. Sunil Ajmera	Mr. Devendra Dohre	CE-AMD	D.P.R. Vetting	Nagar Parishad, Badwani	1 MONTHS 4 DAYS	0.68
Dr. Sunil Ajmera	Mr. Devendra Dohre	CE-AMD	D.P.R. Vetting	Nagar Palika Parishad, Pithampur	16 DAYS	1.02
Dr. Sunil Ajmera	Mr. Devendra Dohre	CE-AMD	D.P.R. Vetting	Nagar Palika Parishad Dhar	2 MONTHS 8 DAYS	1.76
Dr. Sunil Ajmera	Mr. Devendra Dohre	CE-AMD	D.P.R. Vetting	Nagar Parishad Mhowgaon Indore	1 MONTHS 4 DAYS	0.81
Dr. Vijay Rode, Dr. Rakesh Khare	Mr. M.K. Laghate, Mr. Vivek Tiwari	CE-AMD	DC - 2	NVDA Khargone L & T	1 MONTHS 18 DAYS	2.30
Dr. Rakesh Khare	Mr. M.K. Laghate	CE-AMD	Checking of Structural Design & Drawing	Nagar Palika Parishad Pithampur Dhar	28 DAYS	0.61
Dr. Sunil Ajmera	Mr. Devendra Dohre	CE-AMD	D.P.R. Vetting	Nagar Parishad Rajgarh	1 MONTHS 8 DAYS	0.54
Dr. Sunil Ajmera	Mr. Devendra Dohre	CE-AMD	D.P.R. Vetting	Nagar Palika Nigam Khandwa	3 MONTHS 8 DAYS	4.90
Dr. Sunil Ajmera	Mr. Devendra Dohre	CE-AMD	D.P.R. Vetting	Nagar Parishad Dharampuri	2 MONTHS 20 DAYS	0.54
Mr. Vivek Tiwari	MR. TARUN KUMAR NARNAURE	CE-AMD	Site Visit & CC Road Dgn	Nagar Palika Nigam Ratlam	3 MONTHS 8 DAYS	1.30

Dr. Vijay Rode, Dr. Rakesh Khare	Mr. M.K. Laghate	CE-AMD	Checking of Str. Dgn. Of Box	Nagar Palika Nigam Ratlam	3 MONTHS 8 DAYS	2.04
Dr. Sunil Ajmera	Mr. Devendra Dohre	CE-AMD	D.P.R. Vetting	Nagar Palika Parishad, Punasa Khandwa	3 MONTHS 13 DAYS	0.53
Dr. Vijay Rode, Dr. Rakesh Khare	Mr. M.K. Laghate, Mr. Vivek Tiwari	CE-AMD	Vetting of Str. Drg. PS-4	NEC PEL JV	16 DAYS	1.63
Dr. Vijay Rode	Mr. M.K. Laghate	CE-AMD	Technical investigation	NHAI Indore	1 MONTH 9 DAYS	0.61
Dr. Sunil Ajmera	Mr. Devendra Dohre	CE-AMD	D.P.R. Vetting	Nagar Parishad Bistan	3 MONTHS 27 DAYS	0.88
Dr. Rakesh Khare	Mr. Vivek Tiwari	CE-AMD	Design & Dra. Of Com wall	Municipal Corp, Ujjain TATA	1 MONTH 9 DAYS	0.34
Dr. Rakesh Khare	Mr. M.K. Laghate, Mr. Vivek Tiwari	CE-AMD	Unipolic Struc. Design	Deepak Advt. Gwalior	4 DAYS	0.61
Dr. Sunil Ajmera	Mr. M.K. Laghate	CE-AMD	Consultancy M.T. Hospital Women	PWD Indore	8 MONTHS	0.34
Dr. S.K. Ahirwar		CE-AMD	Pile Load Testing	CPWD Indore Sanjay Jain	2 MONTHS	0.22
Dr. Vijay Rode, Dr. H.K. Mahiyar	Dr. Sunil Ajmera, Mr. Vivek Tiwari	CE-AMD	Site visit ND Test	Executive Engineer, ND Div Manawar	1 MONTHS 1 DAY	0.75
Dr. Vijay Rode	Mr. M.K. Laghate, Mr. Vivek Tiwari	CE-AMD	Site Visit	Executive Engineer, ND Div Manawar	1 MONTH 16 DAYS	0.81
S. M. Narulkar, Dr. H. K. Mahiyar	Dr. Sunil Ajmera, Mr. Vivek Tiwari	CE-AMD	Mix Design & Testing	MULTIPLE AGENCIES	2022-23	16.07
S. M. Narulkar, Dr. H. K. Mahiyar	Dr. Sunil Ajmera, Mr. Vivek Tiwari, MR. TARUN KUMAR NARNAURE	CE-AMD	PAVER, CUBE TESTING	IMC INDORE	2022-23	11.65
Dr. H. K. Mahiyar	Dr. S.K. Ahirwar	CE-AMD	SOIL TESTING	Matsyodhyog, Indore	2022-23	1.09
Dr. H. K. Mahiyar	Dr. S.K. Ahirwar	CE-AMD	SOIL TEASTING CONSULTANCY	Military Engg. Services Mhow	2022-23	15.35
Dr. Vijay Rode	Dr. Sunil Ajmera	CE-AMD	Site Visit of Building	Manager Ganpati Mandir Khajrana Indore	1 YEAR	0.34
Dr. H. K. Mahiyar	Dr. S.K. Ahirwar	CE-AMD	Site Visit	Matsyodhyog, Indore	18 MONTHS 17 DAYS	0.31
Dr. Vijay Rode	Mr. Vivek Tiwari	CE-AMD	Rapid visual inspoection Art & Commerce Clg, Indore	MP Police Housing Indore	27 days	3.73
Dr. Vijay Rode	Mr. Vivek Tiwari	CE-AMD	Inspection of Cencer Hosp	MGM Medical College, Indoreing Indore	1 MONTH 10 DAYS	0.68
Dr. Vijay Rode	Mr. Vivek Tiwari	CE-AMD	Structural audit of factory building	Ralin Polymer Pvt. Ltd., Indore	14 DAYS	0.68
Dr. S. M. Narulkar	Dr. S.B. Ajmera	CE-AMD	Strengthening heights of Sindh Vihar	CMO Nagar Palika Parishad, Dabra	1 MONTH 1 DAY	0.41
Mr. M.K. Laghate	Mr. Vivek Tiwari	CE-AMD	Visual Rapid Screening of Builiding NDT	Trilok channd Jain Primary School, Indore	2 MONTHS	0.34
Dr. S. B. Ajmera	MR. TARUN KUMAR NARNAURE	CE-AMD	Visual Rapid Screening of Builiding NDT	Kalyan Maheshwari Digambar Jain HSC IND.	17 DAYS	0.47

Dr. Rakesh Khare	Mr. Vivek Tiwari	CE-AMD	Checking of Drg. Design	AE CPWD Indore	3 MONTHS 27 DAYS	1.09
Dr. Rakesh Khare	MR. TARUN KUMAR NARNAURE	CE-AMD	Structural design	ACE Engineering & Chemicals P Ltd	8 DAYS	0.54
Dr. Rakesh Khare	Mr. Vivek Tiwari	CE-AMD	Structural vetting	Chitra Tiberwal	4 DAYS	0.34
						Amount received (Rs.):91.13

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. Vijay Rode	Dr. R. K. Khare, Dr. S. M. Narulkar	CE-AMD	Site Visit at Military Engineer MHOW	Military Engineer MHOW	16 day	0.33
Dr. S. M. Narulkar	Dr. S. B. Ajmera	CE-AMD	Site Visit MP Water Resources Dept	MP Water Resources	5 months	0.33
Dr. R. K. Khare	Dr. S. B. Ajmera	CE-AMD	Site Visit Polytech. College Shajapur	Polytech. College Shajapur	35 days	0.33
Dr. Vijay Rode	Dr. R. K. Khare, M. K. Laghate	CE-AMD	Vetting of detailed design & Drawing	GVPR Engg Hyderabad	29 days	1.35
Dr. S. M. Narulkar	Dr. S. B. Ajmera, M. K. Laghate	CE-AMD	Civil Struc. Design of Bridge	CE HTB Water Res. Project	2 months	2.03
Dr. H. K. Mahiyar		CE-AMD	Cosultancy at KPR Projection Pvt. Ltd. Nashik	KPR Projection Pvt. Ltd. Nashik	7 days	0.67
Dr. Vijay Rode	Dr. R. K. Khare, M. K. Laghate	CE-AMD	Vetting of design document BP-1	Larsen Toubro Ashta M.P.	3 months	0.68
Dr. Vijay Rode	Dr. R. K. Khare, M. K. Laghate, Dr. S. B. Ajmera	CE-AMD	Structural Stability NDT	Dewas Deve. Authority, Dewas	2 months	2.71
Dr. Vijay Rode	Dr. R. K. Khare, M. K. Laghate	CE-AMD	Vetting of detailed design & Drawing PH.2	Narmada Dev. Circle No. 9, GVPR	1.5 months	1.35
Dr. R. K. Khare	Prof. M. K. Laghate	CE-AMD	Approval of drawing & Design	Neminath Infra Dev. Pvt. Ltd.	5 days	0.54
Dr. R. K. Khare	Prof. M. K. Laghate	CE-AMD	Structural Design at Nagar Palika Nigam Khandwa	Nagar Palika Nigam Khandwa	1 month	0.31
Dr. Vijay Rode	Dr. R. K. Khare, M. K. Laghate	CE-AMD	Checking of Structural Design	Executive Engineer, PWD Dhar	16 days	0.54
Dr. S.B. Ajmera	Prof. M. K. Laghate	CE-AMD	NDT Visual Inspection	M.P. Grah Nirman, Dhar	2 months	1.11
Dr. S. M. Narulkar	Dr. S.B. Ajmera	CE-AMD	Site Visit at IMC Indore	IMC Indore	3 months	0.33
Dr. R. K. Khare	Dr. S.B. Ajmera	CE-AMD	Site Visit at Site Visit	Site Visit	5 days	0.33
Dr. R. K. Khare	Dr. S.B. Ajmera	CE-AMD	Site Visit at MP. Grah Nirman Adhosanrachana Indore	MP. Grah Nirman Adhosanrachana Indore	27 days	0.33
Dr. Vijay Rode	Dr. S.B. Ajmera, M. K. Laghate	CE-AMD	Site Visit Bafpa Hotel	DAVV Indore	12 days	0.47
Dr. Vijay Rode	Dr. S.B. Ajmera, M. K. Laghate	CE-AMD	Third Party Quality assurance at IIT Indore	Indian Instt. of Tech. Indore	3 months	0.34
Dr. Vijay Rode	Dr. H. K. Mahiyar	CE-AMD	Dev. of New multo	MP IDC Indore	12 days	0.31
Dr. R. K. Khare	Prof. M. K. Laghate, Prof. Vivek Tiwari	CE-AMD	Vetting of Steel Structural Design	Air India Authority Indore	7 days	1.35
Dr. Vijay Rode	Dr. S.B. Ajmera, Prof. M. K. Laghate	CE-AMD	Building stability	Nagar Palika Nigam Indore	2 months	0.47
Dr. Vandana Tare	Dr. H. S. Goliya	CE-AMD	Site Visit at Supdt. Eng. IDA Indore	Supdt. Eng. IDA Indore	13 days	0.40
Dr. Vijay Rode	Dr. S.B. Ajmera	CE-AMD	School Building tech.	Central School Indore	2 months	0.33
Dr. R. K. Khare	Prof. M. K. Laghate, Prof. Vivek Tiwari	CE-AMD	Structural Design	Air India Authority Indore	6 days	0.67
Dr. R. K. Khare	Dr. S.B. Ajmera	CE-AMD	Boys Hostel	Krishi Mahavidhyalaya, Indore	2 months	0.56
Dr. Vijay Rode	Dr. R. K. Khare, Prof. Vivek Tiwari	CE-AMD	Checking of Structural Design	M/s. Shapoorji Pallonji Ltd.	3 months	1.35
Dr. R. K. Khare	Prof. Vivek Tiwari	CE-AMD	Checking of Structural Design	M/s. Shailendra Sharma	6 days	0.33
Dr. Vijay Rode	Dr. R. K. Khare, Prof. M. K. Laghate	CE-AMD	Structural Design	IDA Indore	1 month	7.48

Dr. Vijay Rode, Prof. M. K. Laghate	Prof. Vivek Tiwari	CE-AMD	Paver , Cube	IMC Indore Amar Construction	2021-22	10.73
Dr. Vijay Rode, Prof. M. K. Laghate	Dr. H. K. Mahiyar,Dr. S.B. Ajmera	CE-AMD	MIX DESIGN, SOIL TESTING	MP. Grah Nirman Adhosanrachana Indore	2021-22	2.45
						Amount received (Rs.):40.51

Total amount (Lacs) received for the past 3 years: 232.83

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)

(CAYm2)

(CAYm3)

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

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	Soil Mechanics Laboratory (Geotechnical Engineering Lab)	30	Oven CBR Test Machine Swelling Pressure Apparatus Direct Shear Test Machine UCS Test Machine Vane	12	Mr. Dipesh Verma	Lab Technician	B.E.
2	Geology Lab.	30	Mohs Hardness Scale Igneous Rock Samples Metamorphic Rock Samples Sedimentary Rock	8	Mr.Narendra Nodaya	Lab Technician	B.E.
3	Applied Mechanics Laboratory	30	Deflection of curved bending apparatus Unsymmetrical bending apparatus Verification of Maxwell reciprocal	16	MS. Richa Dhaigude	Lab Technician	M.E.
4	WRE, Computer Laboratory	30	Computer System i5 Processor ,3470 CPU @ 3.2GHZ,2 GB RAM i7 Processor ,4770 CPU @3.4 GHz, 4GB RAM	8	MS. Richa Dhaigude	Lab Technician	M.E.
5	Surveying Lab	30	Total Station Vernier Theodolite Automatic Level	8	Mr. Pranay Kamble	Lab Technician	B.E.

6	Structural Lab	30	Compression testing machine Concrete mixer vibration machine Excellerated curing tank Vicats Appratus Le Chatelier Apparatus Sieve Set Autoclave Table Goniometer	22	Mr. Akshay rawal	Lab Technician	Diploma civil,BE(PTDC),M
7	Concrete Laboratories/Transportation Laboratories	30	Sieve Set Impact value Flakinees & Elongation Gauges Los- Angels appratus Crushing Value Bitumen Extractor	22	Mr. Akshay rawal	Lab Technician	Diploma civil,BE(PTDC),M
8	Environmental Lab & Central of Clean Air Laboratory	30	B.O.D. Incubator Bacteriological Incubator COD Equipment Jar Test Equipment Spectrophotometer UV-VIS Flame Photometer Heating Cell Hot Air Oven	12	Mr. Manoj Malviya	Lab Technician	Diploma, B.E.

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Soil Mechanics Laboratory (Geo-technical Engineering Lab)	First Aid Kit, Fire Extinguisher, Gloves
2	Geology Laboratory	First Aid Kit, Fire Extinguisher
3	Applied Mechanics Laboratory	First Aid Kit, Fire Extinguisher
4	Water resources Engineering, Computer Laboratory	First Aid Kit, Fire Extinguisher
5	Surveying Lab	First Aid Kit, Fire Extinguisher, Helmet
6	Structural Lab	First Aid Kit, Fire Extinguisher, Gloves, Helmet, Goggles, Safety Shoes, Ear plugs
7	Concrete Laboratories / Transportation Laboratories	First Aid Kit, Fire Extinguisher, Gloves
8	Environmental Lab & Central of Clean Air Laboratory	First Aid Kit, Fire Extinguisher, Gloves, Goggles, Mask

D3. Project Laboratory/Research Laboratory

1. Research /Project lab

a. CIDI-Centre for Innovation Design & Incubation

Description: CIDI is functioning with 3C model; CIDI is Coordinating with institute’s engineering departments, Collaborating with Industries and Cooperating with peer institutes to attain its goals of design and incubation.

One of the additional goals of CIDI is to initiate technology trainings for students of SGSITS as well as peer institutes and professionals from industries in the next semester. For these training activities, material and manpower resources in the above departments and CIDI will be used based on competence and proficiency.

b. IDEA Lab-

AICTE has launched a scheme for establishing AICTE-IDEA (Idea Development, Evaluation & Application) Lab in its approved institutions for encouraging students for application of Science, Technologies, Engineering and Mathematics (STEM) fundamentals towards enhanced hands-on experience and learning by doing. As a common facility embedded in the institution, IDEA Lab facilitates the students to “engage, explore, experience, express and excel” as desired by the Hon’ble Prime Minister in the wake of release of National Education Policy 2020. These Labs are mandated to function 24 x 7 in the institutions selected and be available to the colleges, schools and industries around also.

- 1. The purpose of IDEA Lab is to provide all facilities under one roof, for conversion of an idea into a prototype.
- 2. It is like a special place where students, just like you, come together to think, create, and turn their ideas into something real.
- 3. If someone is curious and love to come up with new ideas or solve problems, an Idea Lab is a fantastic place for you. Its a space where you can explore, learn, and make a real impact on the world with your creativity

2. Centre of Excellence

a. Pump & Motor Testing Lab-

Central Indias First NABL Accredited Pump & Motor Testing Lab Centre of Pump Engineering (COPE) is established in SGSITS Indore as the “Centre of Excellence in Rotating Machines”. It facilitates for the testing of solar-based pumps, Mono set pumps, Submersible pumps, Open well pumps, and 3-phase induction motors as per IS standards and MNRE guidelines. The COPE has world-class infrastructure for the research, testing, and development of rotating machines. It is also recognized by the National Accreditation Board for Testing and Calibration Laboratories (NABL) as per ISO/IEC 17025:2017

b. Ultra tech cement -

UltraTech Cement Ltd., a part of the Fortune 500-ranked Aditya Birla Group, is India’s largest manufacturer of grey cement, white cement, and Ready Mix Concrete (RMC), and a leading global cement producer. With operations in India, UAE, Bahrain, Bangladesh, and Sri Lanka, UltraTech serves as a one-stop solution for all construction needs. Known for its focus on advanced technology, research, and quality services, the company offers a comprehensive range of products from foundation to finish. The Aditya Birla Group employs over 120,000 people across 30 countries and 42 nationalities, and has been recognized among the top global and Asia Pacific companies.

- 1. MoU is signed with the objectives of furthering industry-academic relationship for mutual benefit, building fruitful and mutual relations, and of proposing to offer programs of mutual interest as agreed by the parties.
- 2. SGSIS-civil Engineering Applied Mechanics department (CEMD) intends to organize skill development programs to the benefit of skilled and unskilled Labour, contractor and Boulders.
- 3. SGSTIS-CEMD intends to organize technical seminars, workshops, conferences and training programmes in association with the ULTRATECH to provide the civil engineering community with the latest developments in research and developments of construction industry.
- 4. ULTRATECH, in association with SGSTIS-CEMD shall arrange for industrial visits, seminars and guest lectures from Industry professionals/HR/Placement Agencies/Technology vendors to interface the students with global industry trends. Also provide the following assistance to SGSITS Indore.
 - To select students batches for training, internship and project work.
 - To formalize the training schedule according to the college academic calendar.
 - To facilitate and Invite ULTRATECH for Framing, and campus Placement.
 - To provide logistics support by way of use of its auditorium and other such facilities in case of lecture series or expert lectures organized by ULTRATECH in association with SGSITS.
 - Active Participation of Faculty and Technical Staff for purposes of curriculum development and review, upgrading of teaching and research skills.
 - Participating in seminars, symposiums, and other types of academic discussions.
 - To organize joint seminars, conferences, or workshops on topics of mutual interest and to invite each other's faculty to participate therein.

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)	840	42	27	60	80
2023-24(CAYm1)	870	44	29	69	84
2024-25(CAY)	870	44	34	80	98

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	0	0	0	0	0	5800257	14600000	13857158
Library	3000000	889027	3000000	1071402	3000000	140922	3000000	277536
Laboratory equipment	0	0	0	1442822	0	10572933	4647210	4148985
Teaching and non-teaching staff salary	630454100	597916747	606560000	689250512	547506645	539770773	469861519	451916229
Outreach Programs	0	0	0	0	0	0	0	0
R&D	0	2455854	0	4794474	0	17894613	2500000	1731442
Training, Placement and Industry linkage	142000	119795	50000	9444	175000	75640	755394	908919
SDGs	7681000	7455966	10000000	4273902	10000000	4864080	5350304	7548388
Entrepreneurship	0	0	0	0	0	0	0	0
Others, specify	104701200	55656911	92128460	44534332	63605500	35028959	62734000	30891208
Total	745978300	664494300	711738460	745376888	624287145	614148177	563448427	511279865

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 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
Laboratory equipment	300000	0	300000	12237	100000	13300	225000	15000

Software	0	0	0	0	200000	177000	0	0
SDGs	225000	0	225000	48226	225000	27236	150000	9700
Support for faculty development	150000	8493	150000	23901	150000	7965	100000	1000
R & D	650000	0	650000	0	650000	16250	400000	0
Industrial Training, Industry expert, Internship	100000	0	100000	0	100000	0	75000	0
Miscellaneous Expenses*	75000	21639	75000	41985	75000	0	50000	0
Total	1500000	30132	1500000	126349	1500000	241751	1000000	25700