



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(Deemed University)
(Declared Under Distinct Category by Ministry of Education, Government of India)
NAAC Accredited with A++ Grade



Department of Architecture
Semester-Wise General Scheme Structure & Important Guidelines for Flexible Curriculum
(Batch admitted in Academic Session 2025-26 onwards)
Abbreviations Used

L	Lecture
T	Tutorial
P	Practical
HSMC	Humanities and Social Sciences including Management Courses
BSC	Basic Science Courses
ESC	Engineering Science Courses
DC	Departmental Core
DE	Departmental Elective
SPC	Specialization Courses
OC	Open Category
DLC	Departmental Laboratory Courses
MOOC	Massive Open Online Course
MWS	Mandatory Workshop
SP	Semester Proficiency
SIP	Skill Internship Program
SLP	Self-learning Presentation
PDC	Professional Development Component
PBL	Project Based Learning
PC	Professional Certification
MAC	Mandatory Audit Course
NEC	Novel Engaging Course

Definition of Credit:

As per Council of Architecture (CoA) Recommendation

1 Lecture period/ hour	1 Credit
*1 Design Studio/ Construction Studio/ Project/ Thesis Period/ Hour	1.5 Credit



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Department of Architecture

Scheme of Evaluation

B. Arch. I Semester

(for batch admitted in academic session 2025-26)

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Exam.	Duration of Exam.
				Theory Block				Practical Block			L	T	P				
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment		Lab Work & Sessional									
1.	21251101	DC	Graphics I	20	20	30	30	-	-	100	2	-	-	2	Face to Face	PP	3Hrs
2.	21251102	BSC	Building Materials	20	20	30	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
3.	21251113	ESC	Structure I	20	20	30	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
4.	21251104	DC	History of Ancient Civilizations	20	20	30	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs
5.	21251105	DC	Theory of Design	20	20	30	30	-	-	100	2	-	-	2	Face to Face	PP	2 Hrs
6.	21251106	DLC	Basic Design	-	-	-	-	70	30	100	-	-	4*	6	Experimental	SO	-
7.	21251107	DLC	Graphics Studio I	-	-	-	-	70	30	100	-	-	4	2	Experimental	SO	-
8.	21251108	SP	Semester Proficiency ^S	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	21251109	PBL	Micro Project-I [#]	-	-	-	-	70	30	100	-	-	4	2	Experiential	SO	-
10.	21251110	HSMC	Language Lab					70	30	100	-	-	2	1	Experiential	AO	-
11.	NEC00001	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
Total				100	100	150	150	380	120	1000	10	4	16	26	-	-	-
12.	21251111	MAC	Universal Human Values & Professional Ethics (UHVPE)	20	20	30	30	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
13.	21251112	MWS	Mandatory Workshop on Report Writing at Department Level											GRADE	Interactive	MCQ	-
14.	21251113	MWS	Mandatory Workshop on Indian Constitution and cultural values at Department Level (Duration: Two Days)											GRADE	Interactive	MCQ	
Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.																	
Soft Skill Internship: Minimum 45 hours duration: Evaluation in II Semester.																	

^SSemester Proficiency– includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in the semester courses.

MCQ: Multiple Choice Question **AO:** Assignment + Oral **PP:** Pen Paper **SO:** Submission + Oral **OB:** Open Book

[#] Micro Project-I (Workshop) will be presented and evaluated through an interdisciplinary project evaluation committee.

HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
1	1	1	3	0	0	0	2	1	1	0	0	0	1	1	1

Mode of Learning					Mode of Examination					Total Credits
Theory		Lab			Theory				Lab	
Face to Face	Online	Blended	Experiential	Experimental FtoF/Interactive	PP	AO	MCQ	OB	SO	
14	0	0	3	9	4	0	9	0	13	
54%	0	0	12	34%	15%	-	30%	-	50%	Credits %



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Scheme of Evaluation

B. Arch. III Semester

(for batch admitted in academic session 2024-25)

S. No.	Course Code	Category Code	Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Exam.	Duration of Exam.
				Theory Block				Practical Block			L	T	P				
				Continuous Evaluation			Major Evaluation	Continuous Evaluation	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment		Lab Work & Sessional									
1.	21242101	BSC	Building Construction II	20	20	30	30	-	-	100	2	-	-	2	Face to Face	PP	3 Hr
2.	21242102	DC	History of Western Architecture	20	20	30	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hr
3.	21242103	ESC	Structure III	20	20	30	30	-	-	100	2	1	-	3	Face to Face	PP	2 Hr
4.	21242104	BSC	Building Physics I	20	20	30	30	-	-	100	2	1	-	3	Face to Face	PP	2 Hr
5.	21242105	BSC	Building Services I	20	20	30	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hr
6.	21242106	DLC	Design Studio II	-	-	-	-	70	30	100	-	-	6*	9	Experimental	SO	-
7.	21242107	DLC	Building Construction Studio II	-	-	-	-	70	30	100	-	-	2*	3	Experimental	SO	-
8.	21242108	SP	Semester Proficiency ^S	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	21242109	PBL	Macro Project-I (Computer Graphics)	-	-	-	-	70	30	100	-	-	2	1	Experiential	SO	-
10.	21242110	SLP	Self-learning/Presentation ^{sss} (SWAYAM/NPTEL/MOOC)	-	-	-	-	40	-	40	-	-	2	1	Mentoring	SO	-
11.	NEC00003	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
Total				100	100	150	150	350	90	940	10	05	14	30	-	-	-
12.	21242111	MAC	Cyber Security	20	20	30	30	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
13.	21242112	MWS	Mandatory Workshop on Mastering Competitive Success at Department Level											GRADE	Interactive	MCQ	-
Skill Internship Project (Institute Level) (Qualifier): Minimum 30 hours duration: Evaluation in IV Semester																	

Skill Internship Project (Institute Level) (Qualifier): Minimum 30 hours duration: Evaluation in IV Semester

^sSemester Proficiency– includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in the semester courses

MCQ: Multiple Choice Question AO: Assignment + Oral PP: Pen Paper SO: Submission + Oral OB: Open Book

[#] Macro Project-I will be presented and evaluated through an interdisciplinary project evaluation committee.

^{sss} Compulsory registration for one online course using SWAYAM/NPTEL/ MOOC, evaluation through attendance and presentation.

HSMC	BSC	ESC	DC	DE	SPC	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
0	3	1	1	0	0	0	2	1	1	0	1	0	1	1	1

Mode of Learning					Mode of Examination					Total Credits
Theory		Lab			Theory				Lab	
Face to Face	Online/ Mentoring	Blended	Experiential	Experimental FtoF/Interactive	PP	AO	MCQ	OB	SO	
14	1	0	1	14	5	0	9	0	16	30
47%	3%	0	3%	47%	47%	0	0	0	53%	Credits %

S.NO	Code	NPTEL COURSES
1	21242113	Principles And Applications Of Building Science
2	21242114	Introduction To Interaction Design
3	21242115	Inclusive Planning and Universal Design

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B. Arch. Scheme Structure & Semester-Wise Credit Distribution (Under Flexible Curriculum)

General Definition:

Category Code	Course category
L	Lecture
T	Tutorial
P/ST	Practical / Studio
DC	Departmental(Professional) Core
BSAE	Building Science & Applied Engineering
DE	Departmental(Professional) Elective
PAEC	Professional Ability Enhancement Course
SEC	Skill Enhancement Course
MAC	Mandatory Audit Course

Definition of Credit:

As per Council of Architecture (CoA) Recommendation

1Lecture period/ hour	1 Credit
2Lab/ Workshop/ Studio Exercise Periods/ Hours	1 Credit
1 Design Studio/ Construction Studio/ Project/ Thesis Period/ Hour	1.5 Credit

Credit Requirements & Guidelines for MOOCs

- As per the recommendation and Council of Architecture (CoA), Provision 260 credits have been made to pass the B. Architecture course of five Years.
- Note: In partial fulfillment of the flexible curriculum, a mandate provision to earn credits through E-Learning (NPTEL/MOOC etc.) based Departmental Core/Elective (DC/DE) has been introduced.
- Up to 52 credits out of total 260 credits for B. Architecture students can be earned through SWAYAM /NPTEL / MOOC platform based learning for the award of UG degree in Architecture
- The guidelines regarding “credit transfer from MOOCs” by All India Council of Technical Education (AICTE) and the affiliating university, i.e RGPV Bhopal, as issued from time to time will be binding on the institute.
- The list of courses which the students can opt from the SWAYAM /NPTEL / MOOC platform against DE courses in the scheme will be displayed on the website well in advance, (in November & June) so that students can select the courses of their choice. Each such Course must be of minimum 2 credits.
- For the courses opted under MOOC, the equivalent credit weightage will be given to the students, for the credits earned in online examination on SWAYAM/NPTEL platform and other similar platforms as approved by the authorized bodies (BoS, AC etc) , in the credit plan of the program w.e.f. 2017-18 admitted batch onwards.

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Proposed Structure of Bachelor of Architecture (B.Arch.) program

Category Code	Course Category	Weightage in terms of credits as per CoA norms (2017 regulations)	No of courses	Total credits	Weightage in terms of credits achieved
DC	Departmental(Professional) Core	45%	20	124	48%
BSAE	Building Science & Applied Engineering	20%	14	55	21%
DE	Departmental(Professional) Elective	10%	8	23	9%
PAEC	Professional Ability Enhancement Course	15%	7	36	14%
SEC	Skill Enhancement Course	5%	12	18	7%
NEC	Novel engaging course	-	4	4	1%
TOTAL		100%	65	260	100%
MC	Mandatory Audit Course	5%	4	8	3 %

MCQ: Multiple Choice Question

AO: Assignment + Oral

OB: Open Book

PP: Pen Paper

#compulsory registration for one online course using SWAYAM/NPTEL/ MOOC, evaluation through attendance, assignments and presentation

*subjects which are of more theoretical in nature

**subjects which are of more designing/algorithmic/computational in nature

***subjects which are of partially computational/design /programming nature (i.e. conceptual building part can be covered in online mode + computing /design part in offline mode or for MOOC based courses, the mentoring slot can be treated as offline mode delivery of partial contents to make the teaching learning “Blended”)

^sProficiency in course/subject – includes the weightage towards ability/ skill/ competence /knowledge level /expertise attained /attendance etc. in that particular course/subject

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Scheme of Evaluation

2023-2024 batch

Bachelor of Architecture, Third Year, V Semester

S. No	Subject Code	Subject Name	Category	Maximum Marks Allotted						Total Marks	Contact Periods per week			Total Credits	Mode of Teaching (Offline/ Online)	Mode of Exam	
				Theory Slot				Practical Slot									
				End Term Evaluation		Continuous Evaluation		End Sem Exam.	Continuous Evaluation								
				End Sem.	Proficiency in subject/ course	Mid Sem.	Quiz/ Assignment /Sessional		Lab work & Sessional		Skill based mini project						
1.	210520	Architectural Design V	DC- 12	100	10	20	20	40	40	20	250	2	3	2*(1.5)	8	Offline**	AO
2.	210515	Building Construction IV	BSAE- 11	50	10	20	20	20	20	10	150	2	1	2*(1.5)	6	Blended	PP
3.	210516	Building Services II (Electrical & Mechanical)	BSAE- 12	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP
4.	210517	Building Sciences & Energy Conservation	BSAE- 13	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP
5.		ELECTIVE II	DE- 2	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP
6.	210518	*Self-study, Seminar (SWAYAM /NPTEL & MOOC)	SEC- 6	-	-	-	-	-	100	-	100	-	-	4	2	Offline	-
7.		Novel engaging courses	CLC					-	50		50			2	1	Interactive	SO
8.	210519	Summer Internship Project II	SEC- 7	-	-	-	-	50	-	-	50	-	-	2	1	Offline	SO
		Total		300	50	100	100	110	210	30	900	10	7	12	27		
9.	1000005	Disaster Management	MAC-3	50	10	20	20	-	-	-	100	2	-		Grade	Blended	PP
Tour/ seminar/ Workshop/ Training during winter break will be evaluated in VI semester																	
*Proficiency in course/subject – includes the weightage towards ability/ skill/ competence /knowledge level /expertise attained etc. in that particular course/subject																	

Tour/ seminar/ Workshop/ Training during winter break will be evaluated in VI semester

*Proficiency in course/subject – includes the weightage towards ability/ skill/ competence /knowledge level /expertise attained etc. in that particular course/subject

#Compulsory registration for one online course using SWAYAM/NPTEL/ MOOC, Evaluation through attendance, assignments and presentations.

*One Design Studio/ Construction Studio/ Project/ Thesis Period/ Hour shall have 1.5 Credit

Mode of teaching				Mode of Exam				Total credits
Theory			Studio	Theory			Studio	
Offline	Online	Blended	Offline	PP	AO	MCQ	SO	
		Offline	Online					
7	-	6	6	8	12	5	2	8
26%	-	22%	22%	30%	44%	19%	7%	30%
								27
								%

S no	Elective	Sub code	Sub Name	Remark
1	ELECTIVE II	210521	Architectural Photography & Journalism	Department Level
		210522	Vernacular Architecture	
		210524	Vastu Shastra	
2	Self-study Seminar (Swayam)	210551	Principles And Applications Of Building Science	NPTEL (July- Dec 2025)
		210552	Introduction To Interaction Design	
		210554	Inclusive Planning and Universal Design	

Architecture & Planning Department

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Scheme of Evaluation

2022-2023 batch

Bachelor of Architecture, Fourth Year, VII Semester

S. No.	Subject Code	Subject Name	Category	Maximum Marks Allotted									Total Marks	Contact Periods per week			Total Credits	Mode of Teaching (Offline/ Online)	Mode of Exam
				Theory Slot				Practical Slot			MOOC								
				End Term Evaluation		Continuous Evaluation		End Sem Exam.	Continuous Evaluation										
				End Sem.	Proficiency in subject/course	Mid Sem.	Quiz/ Assignment /Sessional		Lab work & Sessional	Skill based mini project	Assignments	Exam		L	T	P			
1.	210711	Architectural Design VII	DC- 15	-	-		-	100	60	40			200	-	-	6*(1.5)	9	Offline**	AO
2.	210712	Adv Building Construction	DC- 16	50	10	20	20	20	20	10			150	2	-	2*(1.5)	5	Blended	PP
3.	210713	Project Management & Building economics	PAEC- 3	50	10	20	20	-	-				100	2	1	-	3	Offline***	PP
4.	210714	Estimation, Costing & Specifications	PAEC- 4	50	10	20	20	-	-				100	2	1	-	3	Blended	PP
5.	-	ELECTIVE V	DE- 5	-	-	-	-	-	-		25	75	100	2	1	-	3	Blended	MCQ
5.	210717	Urban Planning	DC	50	10	20	20	-	-				100	2	1	-	3	Blended	PP
6.	210719	Summer Internship Project III	SEC- 9	-	-		-	50	-				50	-	-	2	1	Offline	SO
		Total		200	40	80	80	170	80	50	25	75	800	10	4	10	27		

Tour/ seminar/ Workshop/ Training during winter break will be evaluated in VIII semester

***Proficiency in course/subject – includes the weightage towards ability/ skill/ competence /knowledge level /expertise attained etc. in that particular course/subject**

*One Design Studio/ Construction Studio/ Project/ Thesis Period/ Hour shall have 1.5 Credit

Mode of teaching				Mode of Exam				Total credits
Theory			Studio	Theory			Studio	
Offline	Online	Blended	Offline	PP	AO	MCQ	SO	
		Offline	Online					
3	-	8	6	13	11	-	3	13
10%	-	27%	20%	44%	40%	-	11	49%
								%

S no	Elective	Sub Name	Sub Code	Remark
1	ELECTIVE-V	Understanding and Reducing Ghg Emissions – Focus On Scope 1 and 2 Emission Reduction through Building Design and Construction	210768	opted from NPTEL platform (July-Dec 2025)
		Building Materials as a Cornerstone to Sustainability	210769	
		Role of Craft and Technology in Interior - Architecture	210770	

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Architecture & Planning Department

Scheme of Evaluation

Bachelor of Architecture, Fifth Year, IX Semester

2021-2022 batch onwards

S.No.	Subject Code	Subject Name & Title	Category	Maximum Marks Allotted							Total Marks	Contact Periods per week			Total Credits	Mode of Teaching (Offline/Online)	Mode of Exam
				Theory Slot			Practical Slot		MOOC								
				End Term Evaluation	Continuous Evaluation		End Sem Exam.	Continuous Evaluation Lab Work & Sessional				Assignment	Exam				
					Mid Sem. Exam	Quiz/ Assignment											
												L	T	P			
1.	210911	Professional Training	PAEC- 7	-	-	-	400	300	-	-	700	-	-	40	20	Off-campus	SO
2.	210921	Thesis Project I	PAEC- 8	-	-	-	50	50	-	-	100	-	-	4	2	Online	SO
		Total					450	350	-	-	800	-	-	40	22		

* Pre-Thesis includes **Topic Finalization, Data Collection, Literature Study, Site Selection, Desktop Case Studies** for the Thesis Project II in next semester (X Sem)

Mode of teaching		Mode of Exam	Total credits
Practical			
Offline-Off-campus	Online	SO	
20	2	22	22
91%	9%	100%	%