



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 2024-25 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. II Semester

(for batch admitted in academic session 2024-25)

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 Lab Work & Sessional	Major Evaluation								
				Minor Evaluation I	Minor Evaluation II	Quiz/Assignment											
1.	21241201	DC	Graphics II	20	20	30	30	-	-	100	2	-	-	2	Face to Face	PP	3 Hr
2.	21241202	BSC	Building Construction I	20	20	30	30	-	-	100	2	-	-	2	Face to Face	PP	3 Hr
3.	21241203	ESC	Structure II	20	20	30	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hr
4.	21241204	DC	History of Indian Architecture	20	20	30	30	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hr
5.	21241205	DLC	Design Studio I	-	-	-	-	70	30	100	-	-	4*	6	Experimental	SO	-
6.	21241206	DLC	Building Construction Studio I	-	-	-	-	70	30	100	-	-	2*	3	Experimental	SO	-
7.	21241207	DLC	Graphics Studio II	-	-	-	-	70	30	100	-	-	4	2	Experimental	SO	-
8.	21241208	SP	Semester Proficiency ⁵	-	-	-	-	50	-	50	-	-	2	1	Face to Face	SO	-
9.	21241209	PBL	Micro Project-II [#] (Workshop II)	-	-	-	-	70	30	100	-	-	4	2	Experiential	SO	-
10.	NEC00002	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	50	-	1	-	1	Interactive	SO	-
11.	SIP0001	SIP	Skill Internship Program	-	-	-	-	60	-	60	-	-	-	2**	Experiential	SO	-
Total				80	80	120	120	440	120	960	08	3	16	27	-	-	-
12.	21241210	MAC	Sustainability & Environmental Science	20	20	30	30	-	-	100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
13.	21241211	MWS	Mandatory Workshop on Indian Knowledge System at Department Level (Duration: Two Days)	-	-	-	-	-	-	-	-	-	-	GRADE	Interactive	MCQ	-

Summer Semester of six-eight week duration will be conducted for makeup of I & II semester examination.

⁵Semester 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

** These credits will be transferred from Soft Skill Internship.

[#] Micro Project-II 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
0	1	1	2	0	0	0	3	1	1	1	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	
11	0	0	4	12	4	0	6	0	17	27
41%	-	-	15%	44%	15%	-	22%	-	63%	Credits %



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.



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”)**

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



Architecture & Planning Department
Scheme of Evaluation
Bachelor of Architecture, Second Year, IV Semester

2023-2024 batch

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				L	T	P			
				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.	210413	Architectural Design IV	DC- 10	100	20	20	20	50	30	10	250	2	2	2*(1.5)	7	Offline**	AO
2.	210414	Building Construction III	BSAE- 8	50	10	20	20	20	20	10	150	2	1	2*(1.5)	6	Blended**(3/3)	PP
3.	210415	Building Services I (Water Supply & Sanitation)	BSAE- 9	50	10	20	20	-	-	-	100	2	1	-	3	Offline***	PP
4.	210416	History of Architecture IV	DC- 11	50	10	20	20	-	-	-	100	2	1	-	3	Blended*(2/1)	PP
5.	210417	Structure IV	BSAE-10	50	10	20	20	-	-	-	100	2	1	-	3	Offline***	PP
6.	-	ELECTIVE I	DE- 1	50	10	20	20	-	-	-	100	2	1	-	3	Blended*(2/1)	PP
7.		Novel engaging courses	CLC	-	-	-	-	-	50	-	50	-	-	2	1	Interactive	SO
8.	210419	Tour/ Seminar / Workshop/ NASA Training during winter break	SEC- 5	-	-	-	-	50	-	-	50	-	-	2	1	Offline	SO
9.	AR0324S1	Summer Internship Project	SEC- 4	-	-	-	-	50	-	-	50	-	-	2	1	Offline	SO
Total				350	70	120	120	170	100	20	950	12	7	10	28		
10.	^s 1000001	Indian constitution & Traditional Knowledge	MAC-2	50	10	20	20	-	-	-	100	2	-	-	Grade	Online	MCQ

Summer Internship Project II (Softskill based): Minimum two weeks duration: Evaluation in V semester
^sProficiency 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					
10	-	4	5	8	14	4	9	27
37%	-	15%	18%	30%	52%	15%	33%	%

S no	Elective	Sub code	Sub Name	Remark
1	ELECTIVE -I	210421	Ecology & Environment	
		210422	Society, Culture And Architecture	



Architecture & Planning Department
Scheme of Evaluation
Bachelor of Architecture, Third Year, VI Semester

2022-2023 batch

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		L	T	P					
				End Term Evaluation		Continuous Evaluation		End Sem Exam.	Continuous Evaluation		Assignment								Exam	
				End Sem.	Proficiency in subject/course	Assignment	Exam		Lab work & Sessional	Skill based mini project										
1.	210621	Architectural Design VI	DC- 13	100	20	20	20	50	30	10			250	2	2	4*(1.5)	10	Offline**	AO	
2.	210622	Building Services III (Acoustic & Fire Fighting)	BSAE- 14	50	10	20	20	-	-				100	2	1	-	3	Blended** * (2/2)	PP	
3.	210623	Site Planning and Landscaping Architecture	DC- 14	50	10	20	20	-	-				100	2	1	-	3	Blended* (2/1)	PP	
4.	210624	Working Drawing	PAEC- 2	-	-	-	-	50	30	20			100	-	-	6	3	Offline**	SO	
5.	-	ELECTIVE III	DE- 3	50	10	20	20	-	-				100	1	2	-	3	Blended* (2/1)	PP	
6.	-	# ELECTIVE IV	DE- 4	-	-	-	-	-	-		25	75	100	2	1	-	3	Offline*	MCQ	
7.		Novel engaging course	CLC					-	50				50			2	1	Interactive	SO	
8.	210607	Tour/ seminar / Workshop/ Training during winter break	EC- 8	-	-	-	-	50	-				50	-	-	2	1	Offline	SO	
		Total		250	50	80	80	150	110	30	25	75	850	9	7	14	27			
9.	210610	Intellectual Property Rights	MAC-4	50	10	20	20	-	-	-			100	2	-	-		Grade	Offline	MCQ

Summer Internship Project III: Minimum four weeks duration: Evaluation in VII 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

*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	15	4	-	8	27
26%	-	22%	22%	30%	55%	15%	-	30%	%

S no	Elective	Sub code	Sub Name
1	ELECTIVE III	210611	Housing
		210619	Design Thinking in Architecture
2	ELECTIVE IV# (Opted from NPTEL platform) (Jan- June 2025)	210651	Strategies for Sustainable Design
		210654	Interior Design
		210655	Augmenting Design Thinking with Human-Computer Interaction



Architecture & Planning Department

Scheme of Evaluation

2021-2022 batch

Bachelor of Architecture, Fourth Year, VIII 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		L	T	P				
				End Term Evaluation		Continuous Evaluation		End Sem Exam.	Continuous Evaluation		Assignment								Exam
				End Sem.	Proficiency in subject/course	Mid Sem.	Quiz/Assignment/Sessional		Lab work & Sessional	Skill based mini project									
1.	210815	Architectural Design VIII	DC- 18	-	-	-	-	100	100	50			250	-	-	8*(1.5)	12	Offline**	SO
2.	210816	Urban Design	DC- 19	50	10	20	20	20	30				150	1	1	2	3	Blended** * (3/1)	PP
3.	210817	Professional Practice & Ethics	PAEC- 5	50	10	20	20	-	-				100	2	1	-	3	Blended** * (2/1)	PP
4.	210818	Dissertation	PAEC- 6	-	-	-	-	20	30				50	-	-	4	2	Blended** * (2/2)	SO
5.		ELECTIVE VI	DE- 6	50	10	20	20	-	-				100	2	1	-	3	Blended* (2/1)	PP
6.		ELECTIVE VII	DE- 7	-	-	-	-	-	-		25	75	100	2	1	-	3	Offline*	MCQ
7.	210819	Tour/ seminar / NASA/Workshop/Training during winter break	SEC- 10	-	-	-	-	50	-				50	-	-	2	1	Offline	SO
Total				150	30	60	60	190	160	50	25	75	800	7	4	16	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					
7	-	6	6	8	15	4	-	8
26%	-	22%	22%	30%	55%	15%	-	30%
								%

S no	Elective	Sub code	Sub Name	Remarks
1	ELECTIVE VI	210821	Environment & Architecture	
		210814	Sustainable Interventions in Historic Buildings	
2	ELECTIVE VII [#]	210862	Structure, Form, and Architecture: The Synergy	opted from NPTEL platform (Jan- June 2025)
		210865	Bioclimatic Architecture: Future Proofing with Simple and Advanced Passive Strategies	
		210866	Augmenting Design Thinking with Human-Computer Interaction	



Architecture & Planning Department Scheme of Evaluation

2020-2021 batch onwards

Bachelor of Architecture, Fifth Year, X Semester

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			L	T	P			
				End Term Evaluation		Continuous Evaluation		End Sem Exam.	Continuous Evaluation		Assignment	Exam							
				End Sem	Proficiency in subject/course	Mid Sem. Exam	Quiz/Assignment / Sessional		Lab work & Sessional	Skill based mini project									
1.	211011	Thesis Project	DC- 20	-	-	-	-	250	400	-	-	-	650	-	-	12*(1.5)	18	Blended** (14/4)	SO
2.	211012	Professional Development	SEC- 11	-	-	-	-	20	30	-	-	-	50	-	-	4	2	-	SO
3.		ELECTIVE VIII	DE- 8	50	10	20	20	-	-	-	-	-	100	2	-	-	2	Offline**	PP
Total				50	10	20	20	270	430				800	2	-	16	22		

*One Design Studio/ Construction Studio/ Project/ Thesis Period/ Hour shall have 1.5 Credit
 Professional Development - General Proficiency

Mode of teaching				Mode of Exam		Total credits
Practical				Proctored online	SO	
Offline	Online	Blended				
		Offline	Online			
-	2	14	6	2	20	22
-	9%	64%	27%	9%	91%	%

S no	Elective	Sub code	Sub Name	Remark
1	ELECTIVE-VIII	211011	Adaptive Reuse and Sustainable Retrofitting	opted at department level
		211012	Cultural Architecture and Identity	
		211013	Social Impact Design and Community Engagement	