MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

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

1 Lecture period/ hour	1 Credit
2 Lab/ 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

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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.

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%
CLC	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
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*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

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Architecture & Planning Department
Scheme of Evaluation

For 2022 batch

Bachelor of Architecture, First Year, II Semester

S. No.	Subject Code	Subject Name	Category	End Sem.	Proficiency in subject/ course	Mid Sem	Quiz/ Assignment /Sessional	End Sem Exam	Lab work & Sessional	Skill based mini project	Total Marks	L	T	P	Total Credits	Mode of Teaching (Offline/ Online)	Mode of Exam
				End Term Evaluation		**Continuous Evaluation**		**End Sem Exam**	**Continuous Evaluation**								
1.	210211	Architectural Design II	DC- 4	100	20	20	20	50	30	10	250	2	3	2*(1.5)	8	Offline**	AO
2.	210212	Building Construction I	BSAE- 3	50	10	20	20	20	20	10	150	2	1	2*(1.5)	6	Blended** (3/3)	PP
3.	210213	Graphics II	DC- 5	50	10	20	20	20	20	10	150	1	1	2	3	Offline**	AO
4.	210214	Structure II	BSAE- 4	50	10	20	20	-	-	-	100	2	1	-	3	Offline** *	PP
5.	210215	History of Architecture II	DC- 6	50	10	20	20	-	-	-	100	2	1	-	3	Blended* (2/1)	PP
6.	210216	Theory of Design	DC- 7	50	10	20	20	-	-	-	100	2	-	-	2	Blended* (2/1)	pp
7.	210217	Workshop II	SEC- 3	-	-	-	-	20	20	10	50	-	-	4	2	Offline**	SO
		Total		350	70	120	120	110	90	40	900	11	7	10	27		

Summer Internship Project I (Institute level)(Qualifier): Minimum two weeks duration

$^\$$**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						
10	-	3	6	8	11	7	-	9	27
37%	-	11%	22%	30%	41%	26%	-	33%	%

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Architecture & Planning Department
Scheme of Evaluation

For 2021 batch

Bachelor of Architecture, Second Year, IV Semester

S. No.	Subject Code	Subject Name	Category	End Sem.	Proficiency in subject/course	Mid Sem.	Quiz/ Assignment /Sessional	End Sem Exam.	Lab work & Sessional	Skill based mini project	Total Marks	L	T	P	Total Credits	Mode of Teaching (Offline/ Online)	Mode of Exam
				End Term Evaluation ‹Theory Slot›		**Continuous Evaluation** ‹Theory Slot›		**Practical Slot**	**Continuous Evaluation** ‹Practical Slot›								
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
		Total		**350**	**70**	**120**	**120**	**120**	**100**	**20**	**900**	**12**	**7**	**8**	**27**		
9.	$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

$**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						
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	

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Architecture & Planning Department
Scheme of Evaluation

For 2020 batch

Bachelor of Architecture, Third Year, VI 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					L	T	P			
				End Sem.	Proficiency in subject/ course	Assignment	Exam		Lab work & Sessional	Skill based mini project	Assignment	Exam							
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 courses	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.		**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						
10	-	6	4	10	13	6	3	5	**27**
33%	-	20%	13%	33%	49%	22%	11%	18%	**%**

S. no.	Elective	Sub code	Sub Name
1	ELECTIVE III	210611	Housing
		210619	Design Thinking in Architecture
2	ELECTIVE IV# opted from NPTEL platform	210651	Strategies for Sustainable Design
		210652	Environmental Impact Assessment
		210653	Urban Services Planning

Architecture

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& Planning
Department

Bachelor of Architecture, Fourth Year, VIII Semester

For 2019 batch

S.No.	Subject Code	Subject Name & Title	Category	Maximum Marks Allotted					Total Marks	CT HRS	Contact Periods per week			Total Credits
				Theory Slot			Practical Slot							
				End Sem.	Mid Sem. Exam	Quiz/ Assignment / Sessional	End Sem.	Term Work			L	T	P	
								Lab Work & Sessional						
1.	210801	Architectural Design – VIII	DC- 17	-	-	-	150	100	250	8	-	-	8*(1.5)	**12**
2.	210802	Urban Design	DC- 18	50	30	20	20	30	150	5	2	1	2	**4**
3.	210803	Professional Practice & Ethics	PAEC- 5	50	30	20	-	-	100	3	2	1	-	**3**
4.	210804	Dissertation	PAEC- 6	-	-	-	20	30	50	4	-	-	4	**2**
5.	100007	Disaster management (**MC**)	MC- 4	70	20	10	-	-	100	3	2	1	-	**3**
6.		ELECTIVE- VI	DE- 6	50	30	20	-	-	100	3	2	1	-	**3**
7.	210806	Tour/ seminar / NASA/Workshop/Training during winter break	SEC- 10	-	-	-	50	-	50	2	-	-	2	**1**
		Total		**220**	**110**	**70**	**240**	**160**	**800**	**28**	**8**	**4**	**16**	**28**

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

S no	Elective	Sub code	Sub Name	Remark
1	ELECTIVE-VI	210814	Sustainable Interventions in Historic Buildings	
		210817	Interior Architecture & Space Planning	

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Architecture & Planning Department
Bachelor of Architecture, Fifth Year, X Semester

For 2018 batch

S.No.	Subject Code	Subject Name & Title	Category	Maximum Marks Allotted							Total Marks	CT HRS	Contact Periods per week			Total Credits
				Theory Slot			Practical Slot		MOOC							
				End Sem.	Mid Sem. Exam	Quiz/ Assignment / Sessional	End Sem.	Term Work	Assignment	Exam			L	T	P	
								Lab Work & Sessional								
1.	211001	Thesis Project	DC-19	-	-	-	400	250			650	14	-	-	14*(1.5)	21
2.	211002	Professional Development	SEC-12	-	-	-	20	30			50	2	-	-	2	1
3.	-	ELECTIVE- VII (SWAYAM?NPTEL/MOOC COURSE)	DE-7	-	-	-	-	-	25	75	100	-	-	-	6	3
		Total					420	280	25	75	800	16	-	-	22	25

S no	Elective	Sub code	Sub Name	Remark
1	ELECTIVE-VII	211051	Strategies for Sustainable Design	Opted from NPTEL
		211052	Urban Services Planning	
		211053	Geographic Information Systems	
		211054	An Introduction to Artificial Intelligence	