

ANNEXURE 2

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous 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

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.

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

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

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

Architecture & Planning Department

Scheme of Evaluation

2023-2024 batch onwards

Bachelor of Architecture, First Year, I 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				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.	210122	Architectural Design I	DC-1	100	10	20	20	40	40	20	250	2	3	2*(1.5)	8	Offline**	AO
2.	210113	Building Materials	BSAE-1	50	10	20	20	-	-	-	100	2	1	-	3	Blended* (2/1)	PP
3.	210124	Graphics I	DC-2	50	10	20	20	40	60	-	200	2	3	2	6	Blended** (4/2)	AO
4.	210115	Structure I	BSAE-2	50	10	20	20	-	-	-	100	2	1	-	3	Offline** *	PP
5.	210116	History of Architecture I	DC-3	50	10	20	20	-	-	-	100	2	1	-	3	Blended* (2/1)	PP
6.	210117	Workshop I	SEC-1	-	-	-	-	20	20	10	50	-	-	4	2	Offline**	SO
7.	210118	Professional Communication	SEC-2	50	10	20	20	-	-	-	100	1	1	-	2	Blended* (1/1)	PP
Total				350	60	120	120	100	120	30	900	11	10	8	27		

Induction program 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 Innovation

*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					
8	-	9	4	6	11	10	-	6
30%	-	33%	15%	22%	41%	37%	-	22%

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

Architecture & Planning Department

Scheme of Evaluation

2020-2021 batch onwards

Bachelor of Architecture, Second Year, III 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				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.	210311	Architectural Design III	DC- 8	100	20	20	20	50	30	10	250	2	2	2*(1.5)	7	Offline**	AO
2.	210312	Building Construction II	BSAE- 5	50	10	20	20	20	20	10	150	2	1	2*(1.5)	6	Blended* *(3/3)	PP
3.	210313	Graphics III	PAEC- 1	-	-	-	-	20	20	10	50	-	-	6	3	Offline**	SO
4.	210314	Surveying & Leveling	BSAE- 6	50	10	20	20	-	-	-	100	1	2	-	3	Blended* ** (2/1)	PP
5.	210315	History of Architecture III	DC- 9	50	10	20	20	-	-	-	100	2	1	-	3	Blended* (2/1)	PP
6.	210316	Structure III	BSAE- 7	50	10	20	20	-	-	-	100	2	1	-	3	Offline** *	pp
7.		Novel engaging courses	CLC	-	-	-	-	-	50	-	50	-	-	2	1	Interactive	SO
8.	AR0323S1/S2/S3	Summer Internship Project I	SEC- 4	-	-	-	-	50	-	-	50	-	-	2	1	Offline	SO
	Total			300	60	100	100	140	120	30	850	9	7	14	27		
9.	210310	Biology for Architects	MAC-1	50	10	20	20	-	-	-	100	2	-	-	Grade	Blended* (2/1)	PP

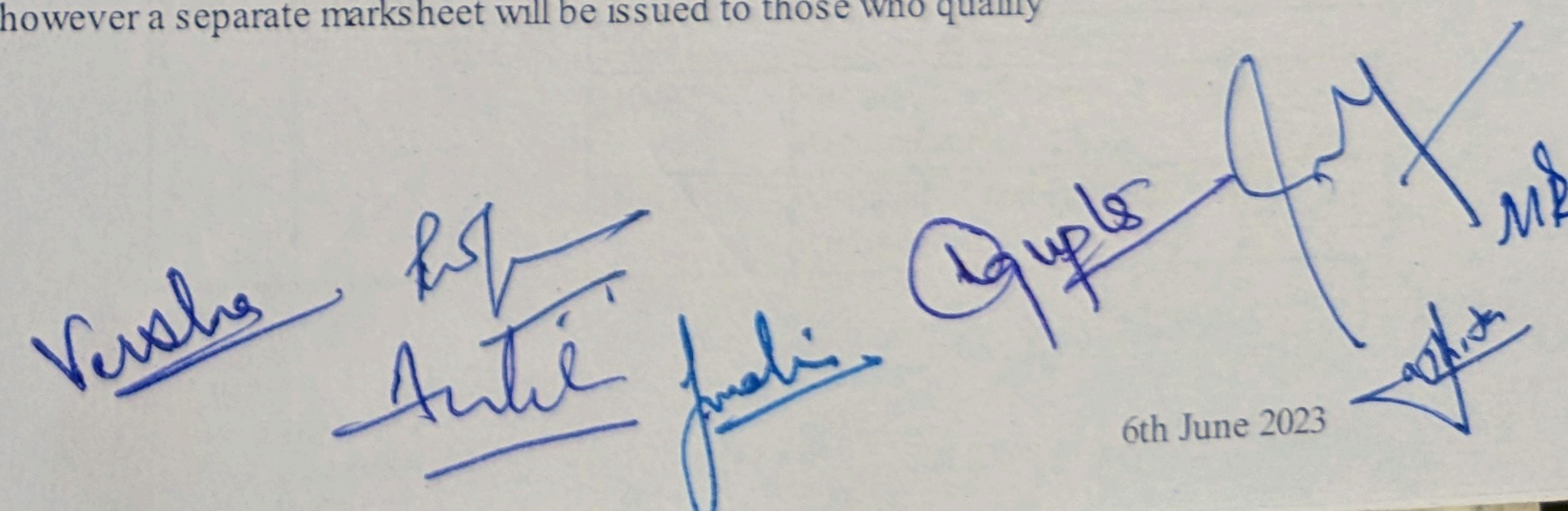
Tour/ seminar/ Workshop/ Training during winter break: Evaluation in IV semester

*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

Biology for Architects (Audit Course) will not be included in the aggregate and Passing is optional, however a separate marksheet will be issued to those who qualify

Mode of teaching				Mode of Exam				Total credits
Theory			Studio	Theory			Studio	
Offline	Online	Blended	Offline	PP	AO	MCQ	SO	
		Offline	Online					
7	-	4	5	11	12	4	-	11
26%	-	15%	18%	41%	44%	15%	-	41%



6th June 2023

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

Architecture & Planning Department Scheme of Evaluation

2020-2021 batch onwards

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 Sem Exam.	L	T				P
				End Term Evaluation		Continuous Evaluation		Lab work & Sessional	Continuous Evaluation									
				End Sem.	Proficiency in subject/course	Mid Sem.	Quiz/Assignment /Sessional		Skill based mini project									
1.	210514	Architectural Design V	DC- 12	100	20	20	20	50	30	10	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** (3/3)	PP	
3.	210516	Building Services II (Electrical & Mechanical)	BSAE- 12	50	10	20	20	-	-	-	100	2	1	-	3	Blended* (2/1)	PP	
4.	210517	Building Sciences & Energy Conservation	BSAE- 13	50	10	20	20	-	-	-	100	2	1	-	3	Blended* (2/1)	PP	
5.		ELECTIVE II	DE- 2	50	10	20	20	-	-	-	100	2	1	-	3	Blended* (2/1)	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	60	100	100	120	200	20	900	10	7	12	27			
9.	1000005	Disaster Management	MAC-3	50	10	20	20	-	-	-	100	2	-		Grade	Blended* (1/1)	MCQ	

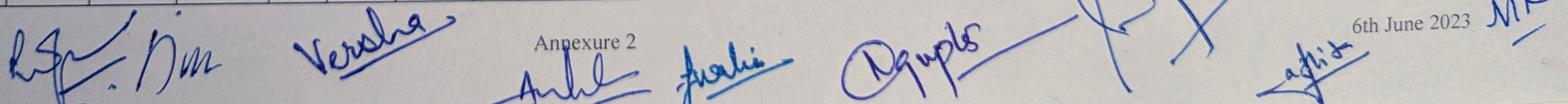
Tour/ seminar/ Workshop/ Training during winter break will be evaluated in VI semester

^sProficiency 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	
		Offline	Online					
7	-	6	6	8	12	5	2	8
26%	-	22%	22%	30%	44%	19%	7%	30%

S no	Elective	Sub code	Sub Name	Remark
1	ELECTIVE II	210521	Architectural Photography & Journalism	Department Level
		210522	Vernacular Architecture	
		210523	Basics of Web Development	
2	Self-study, Seminar	210518	(SWAYAM /NPTEL & MOOC)	



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

Architecture & Planning Department

Scheme of Evaluation

2020-2021 batch onwards

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		L	T	P				
				End Term Evaluation		Continuous Evaluation		End Sem Exam.	Continuous Evaluation		Assignments								Exam
				End Sem.	Proficiency in subject/course	Mid Sem.	Quiz/Assignment/Sessional		Lab work & Sessional	Skill based mini project									
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** *(2/3)	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** (2/1)	PP
5.	-	ELECTIVE V	DE-5	-	-	-	-	-	-		25	75	100	2	1	-	3	Blended** (2/1)	MCQ
5.	210717	Urban Planning	DC	50	10	20	20	-	-				100	2	1	-	3	Blended* (2/1)	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	27
10%	-	27% 20%	44%	40%	-	11	49%	%

S no	Elective	Sub code	Sub Name	Remark
1	ELECTIVE-V	210764	Building Materials And Composites	opted from NPTEL platform (July-Dec 2023)
		210765	Sustainable Architecture	
		210766	Contemporary Architecture And Design	
		210767	Introduction To Urban Planning	

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous Institute Affiliated to RGPV, Bhopal)

Architecture & Planning Department
Scheme of Evaluation
Bachelor of Architecture, Fifth Year, IX Semester

For 2019-2020 batch

S.No.	Subject Code	Subject Name & Title	Category	Maximum Marks Allotted							Total Marks	Min. Working HRS/Week	Contact Periods per week			Total Credits
				Theory Slot			Practical Slot		MOOC				L	T	P	
				End Sem	Mid Sem. Exam	Quiz/Assignment	End Sem.	Term Work Lab Work & Sessional	Assignment	Exam						
1.	210911	Professional Training	PAEC- 7	-	-	-	400	300	-	-	700	38	-	-	38	19
2.	210913	Thesis Project I	PAEC- 8	-	-	-	50	50	-	-	100	4	-	-	4	2
		Total					450	350	-	-	800	42	-	-	42	21

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