

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI**



Scheme of Teaching and Examinations (2026)

M. Arch., in Sustainable Architecture

Choice-Based Credit System (CBCS) and Outcome-Based Education (OBE)

M.Arch Sustainable Architecture Scheme of Teaching and Examinations 2026 Outcome-Based Education (OBE) and Choice-Based Credit System (CBCS)																
I SEMESTER																
Sl. No	Course and Course Code		Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching and Learning Scheme						Examination					Credits
					Classroom Instruction (CI) hours per semester		Laboratory Instruction (LI) hours Per semester		Self learning in hours	Teaching - Learning hours per semester = CI +LI+TW+SL	Duration in h ours	CIE Marks	Theory	Viva Voce	Total Marks	
													SEE Marks			
1	IPCC	2MASA101	Integrated Sustainable Studio I	Architecture	14	14	84	-	128	240	-	100	-	100	200	8
2	PCC	2MASA102	Building Physics and Human Comfort	Architecture	28	14	0	-	48	90	3	50	50	-	100	3
3	PCC	2MASA103	Fundamentals of Building Services	Architecture	28	14	0	-	48	90	3	50	50	-	100	3
4	SEC	2MASA104	Digital Tools for Environmental Analysis - I	Architecture	14	0	42	-	64	120	-	100	-	-	100	4
5	PCC	2MASA105	Sustainability and Environment	Architecture	28	14	0	-	48	90	-	50	-	50	100	3
6	PEC	2MASA106x	Elective Course - I	Architecture	14	14	0	-	32	60	-	100	-	-	100	2
7	NCMC	2MRMI107	Research Methods for Planning & Architectural Studies		Online course (online.vtu.ac.in)											PP
Total										690	6	450	100	150	700	23
Note: IPCC - Integrated Professional Core Course, PCC - Professional Core Course, NCMC - None Credit Mandatory Course, SEC – Skill Enhancement Course, L - Lecture, T – Tutorial, S - Studio, P – Practical, TW+SL – Term work and Self Learning.																
Course Code under 2MASA106x			Course Title													
2MASA106A			Sustainable Development Laws in India													
2MASA106B			Material Science													
2MASA106C			Indigenous Knowledge system													
2MRMI107 - Research Methods for Planning & Architectural Studies Non-Credit Mandatory Course (NCMC) The student has to take this course at http://online.vtu.ac.in and qualifying in this course is compulsory before completion of the minimum duration of the program (Two years), however, this course will not be considered for vertical progression.																

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II SEMESTER																
Sl. No	Course and Course Code		Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching and Learning Scheme						Examination					Credits
					Classroom Instruction (CI) hours per semester		Laboratory Instruction (LI) hours Per semester		Self learning in hours	Teaching - Learning hours per semester = CI +LI+TW+SL	Duration in hours	CIE Marks	Theory	Viva Voce	Total Marks	
					L	T	S	P	SL				SEE Marks			
1	IPCC	2MASA201	Integrated Sustainable Studio II	Architecture	14	14	112	-	160	300	-	100	-	100	200	10
2	PCC	2MASA202	Resource Conservation and Efficiency	Architecture	28	14	0	-	48	90	3	50	50	-	100	3
3	PCC	2MASA203	Green Building Technologies	Architecture	28	14	0	-	48	90	3	50	50	-	100	3
4	SEC	2MASA204	Digital Tools for Environmental Analysis - II	Architecture	14	0	42	-	64	120	-	100	-	-	100	4
5	PEC	2MASA205x	Elective Course - II	Architecture	14	14	0	-	32	60	-	100	-	-	100	2
Total										660	6	400	100	100	600	22
Note: IPCC - Integrated Professional Core Course, PCC - Professional Core Course, NMC - None Credit Mandatory Course, SEC – Skill Enhancement Course, L - Lecture, T – Tutorial, S - Studio, P – Practical, TW+SL – Term work and Self Learning.																
Course Code under 2MASA205x		Course Title														
2MASA205A		Sustainable Interiors														
2MASA205B		System Thinking and Technology														
2MASA205C		Post Occupancy Evaluation of Buildings														

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III SEMESTER																
Sl. No	Course and Course Code		Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching and Learning Scheme						Examination					Credits
					Classroom Instruction (CI) hours per semester		Laboratory Instruction (LI) hours Per semester		Self learning in hours	Teaching - Learning hours per semester = CI +LI+TW+SL	Duration in h ours	CIE Marks	Theory	Viva Voce	Total Marks	
					L	T	S	P					SL	SEE Marks		
1	IPCC	2MASA301	Integrated Sustainable Studio III	Architecture	14	14	112	-	160	300	-	100	-	100	200	10
2	PCC	2MASA302	Environment and Urban Sustainability	Architecture	28	14	0	-	48	90	3	50	50	-	100	3
3	PCC	2MASA303	Research Methodology / Thesis Phase I	Architecture	14	28	28	-	80	150	-	50	-	50	100	5
4	PEC	2MASA304x	Elective Course - III	Architecture	14	14	0	-	32	60	-	100	-	-	100	2
Total										600	3	300	50	150	500	20
Note: IPCC- Integrated Professional Core Course, PCC - Professional Core Course, NCMC - None Credit Mandatory Course, SEC – Skill Enhancement Course, L - Lecture, T – Tutorial, S - Studio, P – Practical, TW+SL – Term work and Self Learning.																
Course Code under 2MASA305x			Course Title													
2MASA304A			Sustainable Landscape													
2MASA304B			Energy Auditing													
2MASA304C			Intelligent Buildings													

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IV SEMESTER																
Sl. No	Course and Course Code		Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching and Learning Scheme					Examination					Credits	
					Classroom Instruction (CI) hours per semester		Laboratory Instruction (LI) hours Per semester		Self learning in hours	Teaching - Learning hours per semester = CI +LI+TW+SL	Duration in h ours	CIE Marks	Theory	Viva Voce		Total Marks
					L	T	S	P					SL	SEE Marks		
1	PCC	2MASA401	Thesis project	Architecture	14	14	182	-	240	450	-	100	-	100	200	15
Total										450	-	100	-	100	200	15
Note: IPCC - Integrated Professional Core Course, PCC - Professional Core Course, NCMC - None Credit Mandatory Course, SEC – Skill Enhancement Course, L - Lecture, T – Tutorial, S - Studio, P – Practical, TW+SL – Term work and Self Learning.																
CIE procedure for Project Work: The CIE marks shall be awarded by a committee/panel of guides consisting of the head of the concerned department, internal and external reviewer whoever takes review including mid-review on invitation by the department. The CIE marks awarded for the dissertation / project work shall be based on the evaluation of the dissertation work process / progress such as research on an issue, title, literature review, dissertation structure, study methodology, issues and strategies, design program and intervention etc. evaluation also need to be based on the presentation skill, work during the periodic review. 25% weightage to be given to the strategies & solutions developed.																
SEE procedure for Project Work: The two examiners appointed by the University will conduct SEE for dissertation work with one internal examiner. The SEE marks awarded for the project work shall be based on the objectives and rubrics set and the final presentation/defending the viva voce / portfolio / dissertation report / Research Papers Published / documentation which showcases the outcome of a dissertation / project work. The weightage of the above may vary based on the specialization / topic of the dissertation / project work.																

Total Teaching Learning hours : 690+660+600+450 = 2400 (30 hours of academic learning = 1 credit)

Total Credits : 23+22+20+15 = 80