

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI													
Scheme of Teaching and Examinations – 2024													
<b>M. ARCH, HABITAT DESIGN-SCHEME B</b>													
Choice Based Credit System (CBCS) and Outcome-Based Education(OBE)													
<b>I SEMESTER- (SCHEME B)</b>													
Sl. No	Course	Course Code	Course Title	Teaching Hours per Week			Examination						Credits
				Theory	Studio/Seminar	Tutorial/ Skill Development Activities	Duration in hours	CIE Marks	SEE Marks			Total Marks	
				L	P/S	T/SDA			TH	VIVA	TW		
1	ISC with PCC and PCCL	MAHD101	Habitat Design Studio-I	01	05	01	00	50	--	50	--	100	6
2	PCC	MAHD102	Human Habitat: Theories And Design Thought	03	01	00	03	50	50	--	--	100	4
3	PCC	MAHD103	Planning Theory And Techniques	03	00	01	03	50	50	--	--	100	3
4	PSC	MAHD104	Sociology, Culture And Human Habitat	00	03	00	00	50	--	--	50	100	3
5	PEC	MAHD115X	Elective 1	01	02	00	00	100	--	--	--	100	3
6	PCCL	MAHD106	Urban Transportation And Networks: Spatial Structure Of Habitat System	02	01	01	00	100	--	--	--	100	3
7	NCMC	MRMI107	Research Methodology and IPR (Online)	Online courses (online.vtu.ac.in)									PP
<b>TOTAL</b>				<b>10</b>	<b>12</b>	<b>03</b>	<b>06</b>	<b>400</b>	<b>200</b>			<b>600</b>	<b>22</b>
Note: <b>ISC</b> -Integrated Studio Course, <b>NCMC</b> - Non Credit Mandatory Course, <b>PCCL</b> -Professional Core Course lab, <b>PEC</b> - Professional Elective Course <b>AUD/AEC</b> –Audit Course / Ability Enhancement Course, <b>L-Lecture, S-Studio, T/SDA-Tutorial / Skill Development Activities</b> (Hours are for Interaction between faculty and students)													
	<b>Professional Elective 1 course code under MAHD115x</b>		<b>Professional Elective course title</b> (Any one of the prescribed electives)										
1	MAHD115A		GIS										
2	MAHD115B		Representation Techniques										
3	MAHD115C		Data Analytics										
<b>Integrated Studio Course (ISC):</b> Refers to a Professional Studio Core Course Integrated with the theories/software relating to the studio. The theory part of the ISC shall be evaluated by CIE with regular assignment. The studio part shall be evaluated by both CIE & SEE (Viva-Voce with the external examiner).													
<b>Professional Core Course (PCC):</b> Refers to a Course, which constitutes a major theory part of the particular specialization.													

**PSC:** Professional Supportive Course to the Specialisation.

**PEC: Professional Elective Course:** Elective courses will provide some of the most valuable and additional knowledge. The students will benefit from electives as they imply additional knowledge. Students may select courses from a large array of subjects that enhance their knowledge.

**1. Studio:**

- (i) Students and studio coordinators to be involved individually in groups to interact to enhance learning and application skills.
  - (ii) The students should be involved with Industry/ Professional bodies/ Stakeholders in issue identification followed by research/ case studies/ testing that results in creative and innovative solutions to the identified problems.
  - (iii) The students will gain real-world experience by working with industry professionals.
  - (iv) Students must work on different software/s(tools)to simulate,analyze,and authenticate the output to interpret and conclude.
  - (v) Students must be involved in casestudies and fieldvisits/fieldwork.
  - (vi) Students must familiarize themselves with codes of standards to narrow the gap between academia and the industry.
2. All activities should enhance student's abilities for employment and /or self-employment opportunities, management skills, Statistical analysis, fiscal expertise, etc.

3. **Skill Development Activities:**They may be in the form of periodic sitevisits,guest lectures,and webinars and seminars, not a fixed slot in timetables.

**Under Skill development, the activities must orient towards**

1. Interaction with industry (construction/consultancy/product oriented).
2. Involvement in research/testing/projects to understand their problems and help creative and innovative methods to solve the problem.
3. Involvement in case studies and field visits/ fieldwork.
4. Exposure to the use of standards/codes/byelaws/zoning regulations etc., to narrow the gap between academia and industry.

All activities should enhance student's abilities to employment and/or self-employment opportunities, management skills, statistical analysis, fiscal expertise, etc. Students and the course faculty are to be involved either individually or in groups to interact together to enhance the learning and application skills of the study they have undertaken. The students with the help of the course teacher can take up relevant technical activities that will enhance their skills. The prepared report shall be evaluated for CIE marks.

**4. Vivavoce:**

The viva voce shall be conducted for a duration of 20 minutes (per student including if any group presentation) for the subjects listed under viva voce for all the semesters with one external examiner and one internal examiner.

**MRMI107-Research Methodology and IPR-** 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.

**Online Course:** These are the MOOC courses that the relevant stream's Board of Studies has recommended; you can access them at [www.online.vtu.ac.in](http://www.online.vtu.ac.in). To qualify for those courses, the students must complete 8-12 weeks duration courses. The courses chosen Must not to be the same as that of the courses or subjects covered in the preceding semesters. Depending on the needs of the degree program, the BOS may recommend interdisciplinary courses. It is required to pass the course and qualify.

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**II SEMESTER- (SCHEME B)**

Sl. No	Course	Course Code	Course Title	Teaching Hours /Week			Examination					Credits	
				Theory	Studio/ Seminar	Tutorial/ Skill Development Activities	Duration in hours	CIE Marks	SEE Marks				Total Marks
									L	S	T/SDA		
1	ISC with PCC and PCCL (Integrated Studio Course)	MAHD201	Habitat Design Studio-II	02	07	01	00	50	--	50	--	100	9
2	PCC	MAHD202	Land Use Structure And Urban Morphology	03	01	00	03	50	50	--	--	100	4
3	PCC	MAHD203	Urban Development And Environmental Laws	03	00	00	03	50	50	--	--	100	3
4	PSC	MAHD204	Housing And Real Estate	01	02	01	--	50	--	--	50	100	3
5	PEC	MAHD215X	Elective 2	01	02	00	--	100	--	--	--	100	3
6	PSC	MAHD206	Infrastructure Planning And Management	01	02	01	--	100	--	--	--	100	3
<b>TOTAL</b>				<b>11</b>	<b>14</b>	<b>03</b>	<b>06</b>	<b>400</b>	<b>200</b>			<b>600</b>	<b>25</b>
<b>Professional Elective 2</b>													
	<b>Professional Elective 2 course code under MAHD215x</b>		<b>Professional Elective course title(Any one of the prescribed electives)</b>										
1	MAHD215A	Urban Economics											
2	MAHD215B	Heritage Habitat: Conservation And Renewal											

3	MAHD215C	Sustainable Urban Practices
4	MAHD215D	Disaster Management

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III SEMESTER (SCHEME B)													
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week			Examination					Credits	
				Theory	Studio/ Seminar	Tutorial/ Skill Development Activities	Duration in hours	CIE Marks	SEE Marks				Total Marks
									L	P	SDA		
1	ISC (Integrated studio)	MAHD301	Habitat Design Studio - III	02	06	01	--	50	--	50	--	100	8
2	PSC	MAHD302	Dissertation Phase I	00	03	01	--	100	--	--	--	100	3
4	PEC	MAHD313x	Elective3	01	02	00	--	100	--	--	--	100	3
5	INT	MINT385	Industry Internship (For 12 weeks , Viva-Voce to be conducted)				--	50	--	50	--	100	7
6	PEC	MAHD316	BOS Recommended online course									PP Mandatory	
<b>TOTAL</b>				<b>03</b>	<b>11</b>	<b>02</b>	<b>--</b>	<b>300</b>	<b>100</b>			<b>400</b>	<b>21</b>
Professional Elective 3													
	Professional Elective 3 course code under MAHD313x	Professional Elective course title(Any one of the prescribed electives)											
1	MAHD313A	Landscape and Ecology in Habitat Systems											
2	MAHD313B	Environmental Planning Systems											
3	MAHD313C	Strategy management and Implementation of Projects											
4	MAHD313D	Project Planning, Analysis & Appraisal/ Evaluation											

## Note:

1. PCC: Professional core courses, PEC: Professional Elective Courses, IPCC-Integrated Professional Core Courses. MPS-Mini Project With Seminar; AUD/AEC; Audit Courses / Ability Enhancement Courses (Mandatory), PCCL-Professional Core Course lab, **L-Lecture, P-Practical, T/SDA-Tutorial / Skill Development Activities** (Hours are for Interaction between faculty and students)
2. **MINT385:** Consists of 12 Weeks of industry internship. This includes 8 weeks during the vacation following the end of 2nd semester and 4 weeks of internship from the commencement of 3rd semester.

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<b>IV SEMESTER (SCHEME B)</b>												
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week		Examination					Credits	
				Theory	Studio/ Practical/ Field work	Duration in hours	CIE Marks	SEE Marks Viva voce				Total Marks
								L	P	TH		
1	Dissertation	MAHD481	Dissertation	--	12	00	50	--	50	--	100	12
<b>TOTAL</b>				<b>00</b>	<b>12</b>	<b>00</b>	<b>50</b>	<b>50</b>			<b>100</b>	<b>12</b>
<p><b>DISSERTATION (MAHD481):</b> The objective of the Dissertation is to</p> <ul style="list-style-type: none"> <li>• Encourage independent learning and innovative solutions.</li> <li>• Develop communication skills, organization, time management, and presentation skills.</li> <li>• Impart flexibility and adaptability.</li> <li>• Expand intellectual capacity, credibility, judgment, and intuition.</li> <li>• Adhere to punctuality, goal setting, and meeting deadlines.</li> <li>• Instill responsibilities to oneself and others.</li> <li>• Train students to present the topic of project work in a seminar confidently, with enhanced communication skills, contribute to and exchange ideas in group discussions, and foster the ability to receive positive criticism.</li> </ul> <p><b>CIE procedure for Project Work:</b> The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department one of whom shall be the Guide, or external reviewer whoever takes mid-review on invitation by the department. The CIE marks awarded for the dissertation shall be based on the comprehensive evaluation of the dissertation work during periodic reviews.</p> <p><b>SEE procedure for Dissertation:</b> 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 evaluation of the dissertation work, A. Process/its logical conclusion as Design demonstration B. Project presentation skill, and dissertation-related constructive debate/discussion, C. Dissertation Project Report.</p> <p>In addition, The Institution may also prefer SEE marks for the dissertation work shall also be based on the objectives and rubrics set and the final presentation/defending the viva voce/ portfolio/dissertation report/Patent filed/ Copy Rights, Research Papers Published/documentation which showcases the outcome of a dissertation. The weightage of the above may vary based on the specialization/ topic of the dissertation.</p>												

**Scheme B: TOTAL CREDITS: 22+25+21+12=80 (with 3 months vacation internship after 2<sup>nd</sup> semester).**