

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI													
Scheme of Teaching and Examinations – 2024													
M.Plan.,TOWN AND COUNTRY PLANNING -SCHEME B													
Choice Based Credit System (CBCS) and Outcome-Based Education(OBE)													
I SEMESTER- (SCHEME B)													
Sl. No	Course	Course Code	Course Title	Teaching Hours per Week				Examination					Credits
				Theory	Studio/Seminar	Tutorial/ Skill Development Activities	Total Hours	Exam Duration	CIE Marks	SEE Marks		Total Marks	
				L	P/S	T/SDA				TH	VIVA		
1	ISC	MTCP101	Planning Studio -1	4	8	2	12	--	50	--	50	100	8
2	PCCL	MTCP102	Remote Sensing and GIS	2	2	--	4	--	50	--	50	100	3
3	PCC	MTCP103	History and Theory of Planning	3	--	--	3	3	50	50	--	100	3
4	PCC	MTCP104	Planning Techniques	3	--	--	3	3	50	50	--	100	3
5	PSC	MTCP105	Applied Economics and Sociology	3	--	--	3	3	50	50	--	100	3
6	PSC	MTCP106	Demography and Statistics	2	--	--	2	3	50	50	--	100	2
7	NCMC	MRMI107	<b>Research Methodology for Planning &amp; Architectural Studies</b>	Online courses (online.vtu.ac.in)									PP
<b>TOTAL</b>				<b>17</b>	<b>10</b>	<b>2</b>	<b>27</b>		<b>300</b>	<b>200</b>	<b>100</b>	<b>600</b>	<b>22</b>
Note: <b>ISC</b> -Integrated Studio Course, <b>PCCL</b> -Professional Core Course lab, <b>PCC</b> - Professional Core Course, <b>PSC</b> - Professional Supporting Course, <b>NCMC</b> - None Credit Mandatory Course, <b>L-Lecture</b> , <b>P/S-Studio</b> , <b>T/SDA-Tutorial / Skill Development Activities</b>													
<p><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 &amp; SEE (Viva-Voce with the external examiner).</p> <p><b>Studio:</b> Students have to complete the Studio Assignments handed by the Studio Coordinator/Faculty in accordance with course work. Faculty and Students (in a Faculty-Student ratio of not more than 1:10) are to be involved in small groups to interact together to enhance learning and application skills. Students should interact with Planning and Civic agencies of medium and large-sized towns/cities to understand their functioning and problems or foresee what can be undertaken for study in the form of research/ case studies/projects, and for creative and innovative methods to solve the identified problem. Students must work on different software/s(tools)to simulate, analyze, and authenticate the output to interpret and conclude. Students must familiarize themselves with codes of standards to narrow the gap between academia and the industry. Students shall prepare reports for the exercise(s) for which they will be assessed in the SEE Viva Voce. All activities should enhance student’s abilities for employment and /or self-employment opportunities, management skills, Statistical analysis, fiscal expertise, etc.</p>													

These exercises are intended to give students –

Confidence in working along with Planning and civic agencies.

Work on different software/s (tools) to Simulate, analyze, and authenticate the output to interpret and conclude.

Understand the various stakeholders – both public and private.

Involve in case studies and field visits/fieldwork.

Accustom with the use of various Acts and legal provisions in preparation of Master Plans/Regional Development Plans/Appreciation reports, etc.,

**Skill Development Activities:** They may be in the form of Site Visits/lab exercises/ Periodic guest lectures/ Conferences/Webinars some of which may not be a fixed slot in the timetable.

**Site Visits:** The students, accompanied by faculty are expected to undertake mandatory site visits to gather ground-level data for Planning Studio and other exercises. Also, visit various civic agencies (public/ private/NGOs) to gather data and learn about the function of relevant agencies, and their ongoing/ completed projects. The site visits shall be taken up on designated days as per the timetable. Faculty may do a reconnaissance of sites chosen for the visit, before taking students, when necessary. Supervised site visits are considered equivalent to Skill Development Activities.

**Periodic Guest Lectures:** The department shall organize various lectures and talks in conjunction to support the assignments and gain knowledge on various aspects of planning and industry standards topics

**Conference:** Students are encouraged to attend online/offline conferences organized by other organizations and institutions in the field of planning. Students need to take prior permission from the HOD/Special Officer before attending any such conferences

**CIE(Continuous Internal Evaluation):** The Internal Marking shall be done for 100 which will be scaled down to 50, the faculty in charge of the particular course can decide on any change in the structure of the internal examination which is to be conducted on 5th, 10th, and 15th weeks of the academic calendar preferably. For Studio and lab-based courses, the concerned Faculty shall decide the marks based on jury and progress made throughout the semester. The Internals shall be from a choice of written examinations/ Assignments/ Presentations allotted to students.

**SEE (Semester End Examination):**

**Theory Exams:** The SEE question paper will be set for 100 marks and the marks scored will be proportionately reduced to 50. The question paper will have ten full questions carrying equal marks. Each full question is for 20 marks. There will be two full questions (with a maximum of four sub-questions) from each module. Some subjects can choose to have a compulsory question under any one module. Each full question will have a sub-question covering all the topics under a module. The students will have to answer five full questions, selecting one full question from each module

**Viva-voce:** The viva-voce shall be conducted for 15 minutes (per student/group- in case of group assignments) for the subjects listed under viva voce for all the semesters. The viva-voce, which is equivalent to jury assessment, shall be conducted by One external & One internal as appointed by the University.

**Professional Core Course Lab (PCCL):** Refers to a Course, which constitutes a Laboratory or software demonstration part of the particular specialization.

**Professional Core Course (PCC):** Refers to a Course, which constitutes a major theory part of the particular specialization.

**Professional Supporting Course (PSC):** Professional Supportive Course to the Specialisation

**24RMI19-Research Methodology and IPR- Non-Credit Mandatory Course (NMC )** 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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				Theory	Studio/Seminar	Tutorial/ Skill Development Activities	Total Hours	Duration	CIE Marks	SEE Marks			Total Marks
				L	P/S	T/SDA	TH			VIVA			
1	ISC	MTCP201	Planning Studio -2	4	8	2	12	--	50	--	50	100	8
2	PCC	MTCP202	Infrastructure Planning	3	--	--	3	3	50	50	--	100	3
3	PCC	MTCP203	Project Appraisal and DPR	2	--	--	2	3	50	50	--	100	2
4	PCC	MTCP204	Traffic and Transport Planning	3	--	--	3	3	50	50	--	100	3
5	PSC	MTCP205	Housing and legal framework	3	--	--	3	3	50	50	--	100	3
6	PSC	MTCP206	Legislation and Governance	3	--	--	3	3	50	50	--	100	3
7	PSC	MTCP207	Environmental Planning	3	--	--	3	3	50	50	--	100	3
<b>TOTAL</b>				<b>21</b>	<b>8</b>	<b>2</b>	<b>29</b>		<b>350</b>	<b>300</b>	<b>50</b>	<b>700</b>	<b>25</b>
Note: <b>ISC</b> -Integrated Studio Course, <b>PCC</b> - Professional Core Course, <b>PSC</b> - Professional Supporting Course, <b>L</b> -Lecture, <b>P/S</b> -Studio, <b>T/SDA</b> -Tutorial / Skill Development Activities													
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Choice Based Credit System (CBCS) and Outcome-Based Education(OBE)													
III SEMESTER- (SCHEME B)													
Sl. No	Course	Course Code	Course Title	Teaching Hours per Week				Examination				Credits	
				Theory	Studio/Seminar	Tutorial/ Skill Development Activities	Duration in hours	Exam Duration	CIE Marks	SEE Marks			Total Marks
										L	P/S		
1	IDC	MTCP301	Dissertation Phase - 1	2	6	6	8	--	100	--	--	100	5
2	PEC	MTCP312X	Professional Elective 1	3	--	--	3	3	50	50	--	100	3
3	PEC	MTCP313X	Professional Elective 2	3	--	--	3	3	50	50	--	100	3
4	PEC	MTCP314X	Professional Elective 3	3	--	--	3	3	50	50	--	100	3
5	INT	MINT385	Professional Training / Internship	Industry Internship (3 months, after 2nd semester and before 3rd semester in the vacation) Viva-Voce to be conducted during the 3rd semester examinations				--	50	--	50	100	7
6	NMC	MTCP306	BOS Recommended online course									PP	
<b>TOTAL</b>				<b>11</b>	<b>6</b>	<b>6</b>	<b>17</b>		<b>300</b>	<b>150</b>	<b>50</b>	<b>500</b>	<b>21</b>
Note: IDC-Integrated Dissertation Course, PEC- Professional Elective Course, INT- Industry Internship, NCMC- None Credit Mandatory Course, L-Lecture, P/S- Studio, T/SDA-Tutorial / Skill Development Activities													
Professional Elective 1				Professional Elective 2				Professional Elective 3					
Course Code	Course title			Course Code	Course title			Course Code	Course title				
MTCP312A	Urbanization and Urban Economics			MTCP313A	Regional Transport Planning			MTCP314A	Housing for Special Areas and Groups				
MTCP312B	Sustainable Cities			MTCP313B	Logistics and Freight Management			MTCP314B	Project Management in Smart Cities				
MTCP312C	Advanced Solid Waste Management			MTCP313C	Urban Design and Landscape			MTCP314C	Disaster and Settlements				

**Dissertation:** For the completion of this course students are expected to work on a topic related to planning and its allied fields individually. Students are expected to undertake original study of a special project of his/her own choice which includes site visit, data collection, etc in coordination with the guide and co guide in order to successfully complete the dissertation. The guides shall be allotted by the dissertation coordinator/ special officer/ HOD/ in a guide to student ratio of not more than 1:5. The student is expected to interact with the guide in offline/online or hybrid mode and update his/her progress on a weekly basis and maintain the logs of each interaction.

- **Dissertation Phase 1** - The Dissertation progress is expected up to Research methodology, including Aim, Objective, Synopsis, Literature review, Site analysis and finally research methodology for this semester.
- **Dissertation Phase 1 evaluation procedure** -
- Dissertation evaluation shall be based on CIE marks awarded by a committee composed of the Dissertation Coordinator/Special Officer/HoD and Guide/Co-guide. The CIE marks awarded for the Dissertation shall be based on the evaluation of Periodic reviews of Dissertation Progress in the prescribed format of the department.

**Professional Elective Course(PEC):** 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 the array of subjects that enhance their knowledge.

**Internship:** All the students have to undergo a mandatory internship of a minimum of 12 weeks in their III semester in Public/Private Sector/NGO/Agencies/Consultants involved in the domain of City Planning and Development. A viva voce shall be conducted at the end of III semester examination. The internship shall be considered as a head of passing and shall be considered for the award of degree. The students are required to submit periodic progress reports of the internship undertaken. The students will be allotted internship mentors from the faculty pool of the department

**Internship Assessment:**

- **CIE marks:** Based on monthly reviews held by internship coordinator /Special Officer/faculties at 5th 10th and 15th week of the academic calendar CIE assessment will be based on the progress made at internship. The student must maintain an internship journal as per the prescribed format from the department.
- **SEE marks:** shall be awarded based on Viva Voce (15 mins per student) by One External Examiner and One Internal Examiner as appointed by the University. The SEE marks awarded for the Internship shall be based on the evaluation of the Internship Report, Internship Presentation skill, and understanding of the student work at the Interning organization. Critical self-evaluation of the students work in the organization will be the top criteria on which the student is awarded the SEE marks

**Non-Credit Mandatory Course (NMC) Ability/Skill Enhancement course (Online Course):** The student has to take prerequisite courses suggested by the concerned Board of Studies suggested via various platforms like NPTEL/SWAYAM/online.vtu.ac.in etc. 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**. These courses are prescribed to help students enhance their skills in the field of Planning. Students must obtain prior consent from the institution/department before undertaking the Course. Certificate of online course completion is mandatory for the award of degree

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IV SEMESTER- (SCHEME B)													
Sl. No	Course	Course Code	Course Title	Teaching Hours per Week				Examination				Credits	
				Theory	Studio/Seminar	Tutorial/ Skill Development Activities	Total hours	Exam duration	CIE Marks	SEE Marks			Total Marks
				L	P/S	T/SDA				TH	VIVA		
1	IDC	MTCP481	Dissertation Phase-2	6	12	6	18	--	100	--	100	200	12
<b>TOTAL</b>				<b>6</b>	<b>12</b>	<b>6</b>	<b>18</b>	<b>-</b>	<b>100</b>	<b>-</b>	<b>100</b>	<b>200</b>	<b>12</b>
Note: IDC-Integrated Dissertation Course, L-Lecture, P/S-Studio, T/SDA-Tutorial / Skill Development Activities													
<p><b>Dissertation:</b> For the completion of this course students are expected to work on a topic related to planning and its allied fields individually. Students are expected to undertake original study of a special project of his/her own choice which includes site visit, data collection, etc in coordination with the guide and co guide in order to successfully complete the dissertation. The student is expected to interact with the guide in offline/online or hybrid mode and update his/her progress on a weekly basis and maintain the logs of each interaction.</p> <p>Objective of dissertation -</p> <ul style="list-style-type: none"> <li>To encourage independent learning and innovative solutions.</li> <li>To develop communication skills, organization, time management, and presentation skills.</li> <li>To impart flexibility and adaptability.</li> <li>To inspire teamwork.</li> <li>To expand intellectual capacity, credibility, judgment, and intuition.</li> <li>To adhere to punctuality, goal setting, and meeting deadlines.</li> <li>To instil responsibilities to oneself and others.</li> <li>To 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>Dissertation evaluation procedure -</b></p> <p>a. CIE marks shall be awarded by a committee composed of the Dissertation Coordinator/Special Officer/HoD and Guide/Co-guide. The CIE marks awarded for the Dissertation shall be based on the evaluation of Periodic reviews of Dissertation Progress including report writing in the prescribed format of the department.</p> <p>b. SEE (Viva-voce) shall be based on Dissertation Presentation skill and performance in Viva in the ratio/percentage of 50:25:25, at the end of IV semester. Dissertation work evaluation and Viva-Voce examination, after satisfying the plagiarism check, shall be as per the University norms. The viva-voce shall be conducted by a panel of Two external examiners and One Internal Examiner/Guide as appointed by the University</p>													
<b>Total credits – 22+25+21+12 = 80 credits</b>													