

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangam, Machhe, Belagavi-590018



Scheme of Teaching and Examinations 2026

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

Master of Planning (Town & Country Planning)
Scheme of Teaching and Examinations
2026

Outcome-Based Education (OBE) and Choice-Based Credit System (CBCS) (Effective from the academic year 2026-27)

Sem	I SEMESTER															
Sl. No	Course Category	Course Code	Course Title	TD/PSB	Teaching and Learning					Examination						Credits
					CI		LI		TW, SE& SL	Duration in hours	CIE Marks	Theory Marks	Term Work Marks	Viva Voce Marks	Total Marks	
1	ISC	2MTCP101	Planning Studio -1	Architecture	4	2	8	-	-	12	50	-	-	50	100	9
2	PCCL	2MTCP102	Remote Sensing and GIS	Architecture	2	-	2	-	-	4	50	-	-	50	100	3
3	PCC	2MTCP103	History and Theory of Planning	Architecture	3	-	-	-	-	3	50	50	-	-	100	3
4	PCC	2MTCP104	Planning Techniques	Architecture	3	-	-	-	-	3	50	50	-	-	100	3
5	PSC	2MTCP105	Environmental Planning	Architecture	3	-	-	-	-	3	50	50	-	-	100	3
6	PSC	2MTCP106	Demography and Statistics	Architecture	3	-	-	-	-	3	50	50	-	-	100	3
7	NCMC	MRM107	Research Methodology for Planning & Architectural Studies	Architecture	Online courses (online.vtu.ac.in)											PP
Total					18	2	10	-	-	28	300	200	-	100	600	24
TW & SL- Term Work & Self Learning, TD/PSB -Teaching Department (TD) and Question Paper Setting Board (PSB), TW, SE & SL -Term Work, Seminar and Self Learning, L-Lecture, T-Tutorial, S-Studio, P-Practical, SL- Self Learning- Termwork+Seminar+Self study																

Integrated Studio Course (IC): 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).

Studio: 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.

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 (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

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

Master of Planning (Town & Country Planning) Scheme of Teaching and Examinations 2026 Outcome-Based Education (OBE) and Choice-Based Credit System (CBCS) (Effective from the academic year 2026-27)																
Sem	II SEMESTER															
Sl. No	Course Category	Course Code	Course Title	TD/PSB	Teaching and Learning				Examination							Credits
					CI		LI		TW, SE & SL	Duration in hours	CIE Marks	Theory Marks	Term Work Marks	Viva Voce Marks	Total Marks	
					L	T	S/P	P	SL							
1	ISC	2MTCP201	Planning Studio -2	Architecture	4	2	8		-	12	50	-	-	50	100	9
2	PCC	2MTCP202	Infrastructure Planning	Architecture	3	-	-		-	3	50	50	-	-	100	3
3	PCC	2MTCP203	Project Appraisal and DPR	Architecture	2	-	-		-	3	50	50	-	-	100	2
4	PCC	2MTCP204	Traffic and Transport Planning	Architecture	3	-	-		-	3	50	50	-	-	100	3
5	PSC	2MTCP205	Housing and legal framework	Architecture	3	-	-		-	3	50	50	-	-	100	3
6	PSC	2MTCP206	Legislation and Governance	Architecture	3	-	-		-	3	50	50	-	-	100	3
7	NCMC	2MTCP207	District Planning and Rural Development	Architecture	3	-	-		-	3	50	50		-	100	3
			Professional Training / Internship	Architecture	Students are encouraged to undertake an internship of up to 6 weeks after completion of the 2nd semester and before the commencement of 3rd-semester theory classes, as an integral component of Planning Studio III. The CIE marks obtained from the internship will be considered as part of the CIE for Planning Studio III. The 3rd-semester theory classes will commence from the 7th week of the semester											
Total					21	2	8	-	-	29	350	300	-	50	700	26
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Studio: 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.

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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 /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.

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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.

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Sem	III SEMESTER															
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					CI		LI		TW, SE & SL	Duration in hours	CIE Marks	Theory Marks	Term Work Marks	Viva Voce Marks	Total Marks	
					L	T	S/P	P								
1	IDC	2MTCP301	Planning Studio -3	Architecture	4	2	8	-	-	12	50	-	-	50	100	9
2	PCC	2MTCP302	City and Metropolitan Planning	Architecture	3	-	-	-	-	3	50	50	-	-	100	3
3	PCC	2MTCP303	Disaster and Settlements	Architecture	3	-	-	-	-	3	50	50	-	-	100	3
4	PSC	2MTCP304	Advanced Solid Waste Management	Architecture	3	-	-	-	-	3	50	50	-	-	100	3
5	NCMC	2MTCP306	BOS Recommended online course													PP
Total					13	2	8	-	-	21	200	150	-	50	400	18
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Planning Studio -3:

Studio: 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.

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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.

Dissertation Phase 1: 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 SIE marks awarded by a committee of Viva voce.

Internship: All the students have to undergo a mandatory internship upto 6 weeks in their III semester in Public/Private Sector/NGO/Agencies/Consultants involved in the domain of City Planning and Development. A Internal 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 every 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. • CIE marks: shall be awarded based on Viva Voce (15 mins per student) by Two Internal Examiner. The CIE 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 CIE marks Non-Credit Mandatory Course (NMC) Ability/Skill Enhancement course (Online Course):

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. 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.

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.

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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

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Sem	1V SEMESTER															
Sl. No	Course Category	Course Code	Course Title	TD/PSB	Teaching and Learning					Examination						Credits
					CI		LI		TW, SE & SL	Duratn in Hours	CIE Marks	Theory Marks	Term Work Marks	Viva Voce Marks	Total Marks	
					L	T	S/P	P	SL			SEE Marks				
1	IDC	2MTCP401	Dissertation Phase - 2	Architecture	6	6	8	-	-	14	100	-	-	100	200	12
2.	PSC	2MTCP402	Housing for special areas	Architecture	2	-	-	-	-	3	50	50	-	-	100	2
Total					8	6	8	-	-	16	150	50	-	100	300	14
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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 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. Objective of dissertation – • To encourage independent learning and innovative solutions. • To develop communication skills, organization, time management, and presentation skills. • To impart flexibility and adaptability. • To inspire teamwork. • To expand intellectual capacity, credibility, judgment, and intuition. • To adhere to punctuality, goal setting, and meeting deadlines. • To instil responsibilities to oneself and others. • 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																

Dissertation evaluation procedure –

- 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.
- 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.

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

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.

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Viva-voce: The viva-voce shall be conducted for 30 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.

Total credits= 24+26+18+14 = 82 credits

Overview of Courses, Credits, Projects, and Internships under VTU Curriculum

I. Abbreviations used in the Scheme of Teaching and Examinations

Abbreviations	Expanded Form of the Abbreviations
AICTE	All India Council of Technical Education
NCrF	National Credit Framework
VTU	Visvesvaraya Technological University
AEC	Ability Enhancement Course
ASC	Applied Science Course
BSC	Basic Science Course
CIE	Continuous Internal Evaluation
CI	Classroom Instruction
CCA	Continuous Comprehensive Assessment
CGPA	Cumulative Grade Point Average
CUL	Cultural
COE	Centre for Online Education
HSMC	Humanities Studies and Management Course
IPCC	Integrated Professional Core Course
LI	Laboratory Instruction
L	Lecture
NCMC	Non-Credit Mandatory Course
NSS	National Service Scheme
NPTEL	National Programme for Technical Enhanced Learning
OEC	Open Elective (Interdepartmental or interdisciplinary) Course
PCC	Professional Core Course
PCCL	Professional Core Course Laboratory
PEC	Professional Elective Courses

PE	Physical Education
P	Practical
SEC	Skill Enhancement Courses
SEE	Semester End Evaluation
SL	Self-Learning
SGPA	Semester Grade Point Average
SWAYAM	Study Webs of Active-Learning for Young Aspiring Minds
TW	Term Work
T	Tutorial
VTU online Course	VTU online courses offered by Centre for Online Education, Mysuru
YOG	Yoga

II. Credit Representation

1-hour Lecture (L) per week=1Credit

2-hours Tutorial(T) per week=1Credit

2-hours Practical / Drawing (P) per week=1Credit

Teaching & Learning Scheme

As per the new National Credit Framework (NCrF), 30 hours of learning of a student is considered equivalent to 1 credit. A semester is considered as a 14-week period of academic interaction with students. The learning components are categorized as follows:

1. **Classroom Instruction (CI):** Includes different instructional / implementation strategies i.e. Lecture (L), Tutorial (T), Case method, Demonstrations, Video demonstration, Problem based learning etc. to deliver theoretical concepts within the classroom measured in Number of hours per semester.
2. **Laboratory Instruction (LI):** Expressed as number of hours per semester which Includes experiments / practical performances / problem-based experiences in laboratory, workshop, field or other locations using different instructional / Implementation strategies.
3. **Term work (TW):** Includes assignments, seminars, presentations, case studies, micro projects, field activities, industrial visits, academic preparation duration and any other student activities in Number of hours per semester.

4. **Self-Learning (SL):** MOOCs (SWAYAM/NPTEL/Industry certified courses), spoken tutorials, online educational resources, self-initiated projects, Learning through digital resources etc in Number of hours per semester. (If provided in curriculum structure).

Course Details		
1.	One Credit Theory Courses:	
	Teaching-Learning sessions in a semester	14 hours
	Examination pattern for CIE and SEE	Multiple Choice Question (MCQ)
	Teaching hours per week - L:T:P	1:0:0
2.	One Credit Laboratory Courses:	
	Teaching-Learning sessions in a semester	28 hours (2 hours session /week)
	Examination pattern for CIE and SEE	Continuous assessments, lab Internal test and SEE
	Teaching hours per week - L:T:P	0:0:2
3.	Two Credit Theory Courses:	
	Teaching-Learning Sessions in a semester	28 hours
	Examination pattern for CIE and SEE	Descriptive
	Teaching hours per week - L:T:P	2:0:0
4.	Three Credit ESC/ETC/PCC/PEC/OEC Courses:	
	Teaching-Learning Sessions in a semester	42 hours
	Examination pattern for CIE and SEE	Descriptive
	Teaching hours per week for theory courses - L:T:P	3:0:0
5.	Four Credit Program Core Courses (PCC):	
	Teaching-Learning Sessions in a semester	56 hours
	Examination pattern for CIE and SEE	Descriptive
	Teaching hours per week for theory courses - L:T:P	4:0:0
6.	Four Credit Integrated Professional Core Courses (IPCC):	
	Teaching-Learning Sessions in a semester (Teaching sessions: 42 hours + Practical sessions: 28 hours)	70 hours
	Examination pattern for CIE and SEE	Descriptive
	Practical part of examination	CIE (No SEE).
	Teaching hours per week - L: T: P	3: 0: 2

