

IV-SEMESTER

IV SEMESTER

THESIS PROJECT			
Course Code	MASA481	CIE Marks	100
Teaching Hours/Week (L:S:SDA)	02:12:00	SEE Marks	100
Total Hours of Pedagogy	14*16 = 224 hrs	Total Marks	200
Credits	14	Exam Hours	-
Course Learning objectives: The Course aims to give the students an opportunity to go through the entire process of project conception, and development of a sustainable project from conception to realization. They will be on a path to present a case for a project, justify the decision making from an economic, environmental and empathetic perspective. They will go through the process of handling various panels of review to get their project cleared for success.			
Module			
The primary domains of study and research shall include Sustainable and Green Buildings, Energy Efficiency in Buildings, Landscape, Urban Housing, Urban Renewal, Sustainable and Environmental Design , and related areas. The selected topic should reflect current research trends and hold professional relevance in planning practice.			
Students are expected to review relevant theoretical frameworks, collect, document, and analyze pertinent data, and develop proposals addressing the identified issues. The work must be original, context-specific, and demonstrate a clear program with actionable strategies, implementation mechanisms, and measurable objectives aligned with the thesis goals.			
Assessment Details (both CIE and SEE) The weightage of Continuous Internal Evaluation (CIE) is 50% and for Viva voce is 50%. The minimum passing mark for the CIE is 50% of the maximum marks. Minimum passing marks in Viva is 50% of the maximum marks of SEE. A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/course if the student secures not less than 50% in the sum total of the CIE (Continuous Internal Evaluation) and Viva-Voce taken together.			
Continuous Internal Evaluation: CIE marks shall be awarded by a committee composed of Principal/Dean, PG Course Coordinator/ HOD and Guide/ Co-guide of the department. The CIE marks awarded for PSC(professional supportive course),shall be based on the progress of the student throughout the semester, presentation skills in seminars and submission of the report.			
Viva voce Examination: <div><div>1.</div><div>The student needs to submit his/her report done throughout the semester, including the data collection for the Viva examination, at least one day prior to the Viva examination to the PG course coordinator/HOD.</div></div> <div><div>2.</div><div>The exam shall be conducted as a panel jury exam which shall be minimum of 30 mins/student, where the student shall present the works in form of sheets.</div></div> <div><div>3.</div><div>Discussions, presentation and the studies should cover all the topics.</div></div>			
Course Outcomes At the end of the course the student will be able to:			
Sl. No.	Particulars	Blooms Level	
CO1	Students will be able to develop a strong project outline, without applied thoughts to all aspects of the project	L3	

CO2	Present a compliant case that covers all technical requirements of the project with strategies that will show technical acumen in being able to respond to the requirements of the regulatory frameworks, rating systems and other evaluation systems available	L4
CO3	Students will be able to go beyond the normal and understand how this can be stretched to maximize sustainability in the given context by addressing out of the box ideas and developing solutions to resolve them - not just compliant by being truly sustainable.	L5

Note to Guides and Students in Project Selection for Thesis:

It is important to look at the complexity of the overall project in the context of issues to be addressed and the flow of arguments that will build this narrative for it and the solutions that can be provided. The student's success is not necessarily linked to the complexity of scale of the project but more on the issues that need to be overcome and the value additions that can be made to the process - hence everything from a rural rehabilitation scheme to eco-tourism, industrial parks, smart cities (Greenfield or Brownfield) can be taken up pursuant to the ability of the student to address all of these steps as a process and come through it with an understanding of how to truly be sustainable.

Program Outcome of the SA Program

Sl. No.	Particulars	POs
1	Approach building design in context with city and site specific ecology aspects.	PO1
2	Apply the knowledge of Vernacular architecture and passive design strategies and material technologies from ancient wisdom.	PO2
3	Develop design skills in Energy and water Efficient Design and intelligent Buildings.	PO3
4	Structure the research study, learning and incorporation of them in planning, design, reporting and implementation.	PO4
5	Use simulation tools for improving overall building performance during the master planning, architectural planning, design and design development process, MEP design and development process.	PO5
6	Appraise architectural design and assist for documentation for Green building certifications and environmental clearances.	PO6

Mapping of COS and POS

	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	M	H	H	M	L
CO2	M	M	M	H	H	L
CO3	M	M	M	H	H	M

— — — END OF SEMESTER — — —