

SINHGAD TECHNICAL EDUCATION SOCIETY'S
SINHGAD COLLEGE OF ARCHITECTURE, PUNE

PO (PROGRAM OUTCOME) (as per NBA) **PROGRAM: ARCHITECTURE**

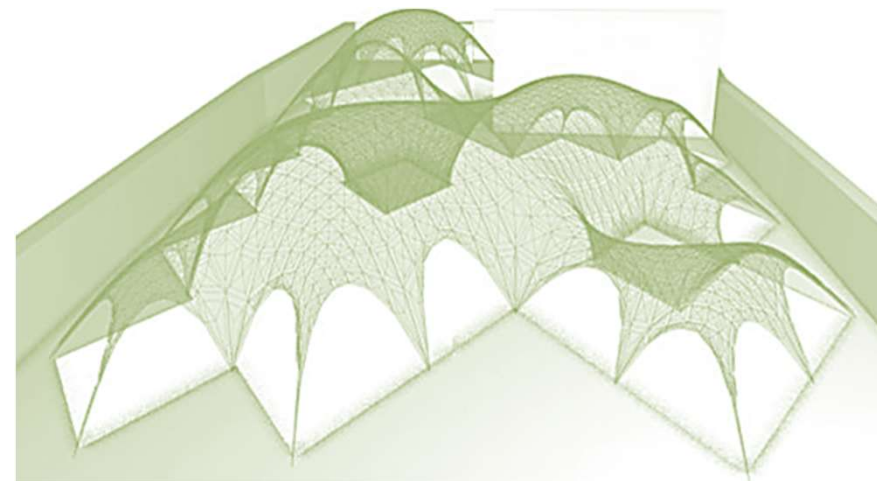


PO 1. Architectural Knowledge: Apply the knowledge of Basic Design principles, building materials, construction technology and services, structural engineering, natural and cultural environment and other architectural specializations to design and supervise to execute buildings.

PO 2. Problem analysis: Identify, formulate, review research literature, and analyze complex architectural problems reaching substantiated conclusions using architectural knowledge.

PO 3. Design/development of solutions: Design solutions for complex buildings that meet the specified needs with appropriate consideration for the users' health and safety, with cultural, societal, and environmental considerations.

PO 4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

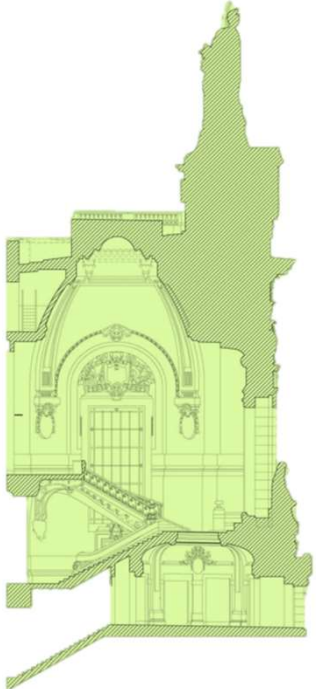


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PO 5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern IT tools for design, drafting and execution of architectural projects with an understanding of the limitations.

PO 6. The architect and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional architectural practice.



PO 7. Environment and sustainability: Understand the impact of the professional architectural solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

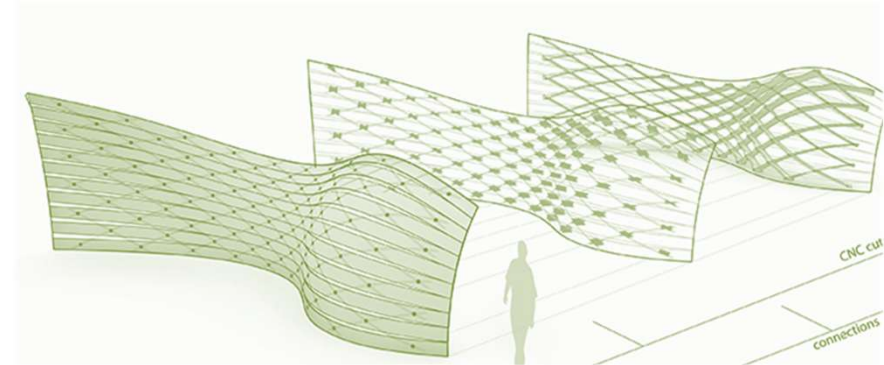
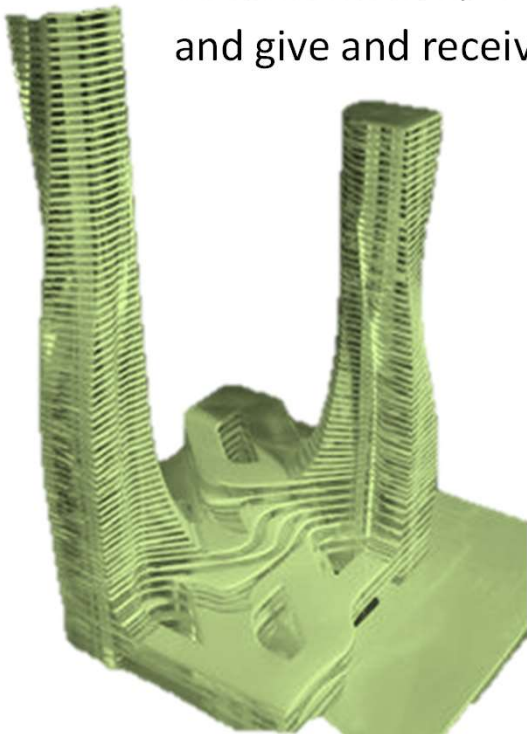
PO 8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the architectural practice.

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PO 9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO 10. Communication: Communicate effectively on complex architectural activities with the architectural fraternity and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.



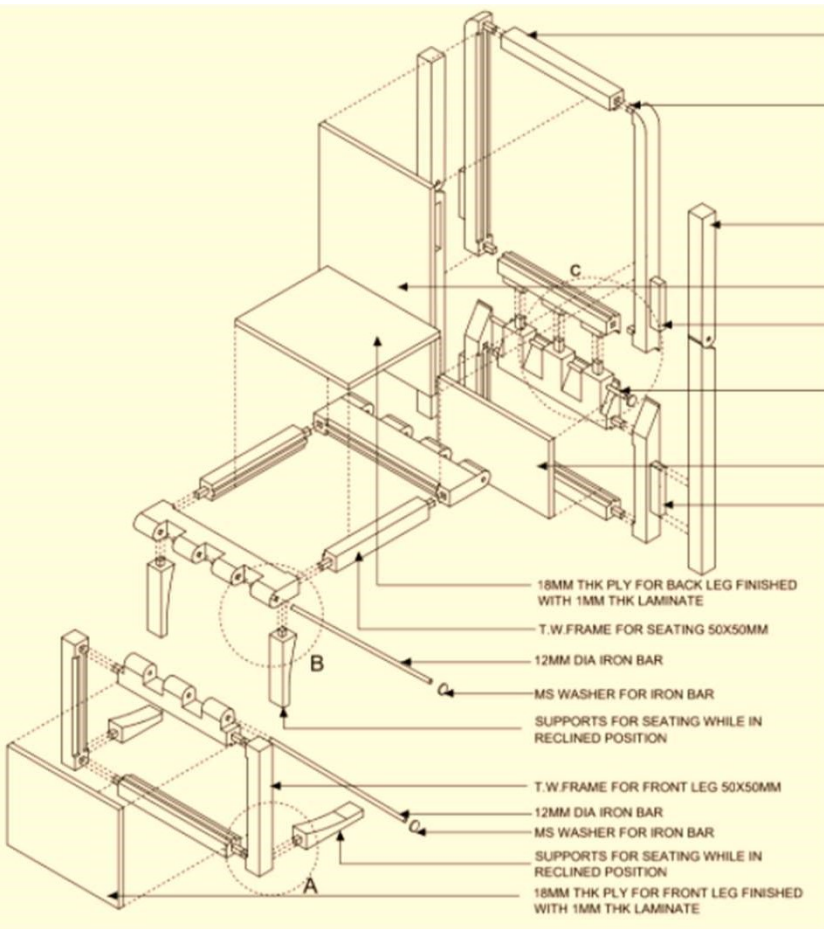
PO 11. Project management and finance: Demonstrate knowledge and understanding of the architecture and project management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO 12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

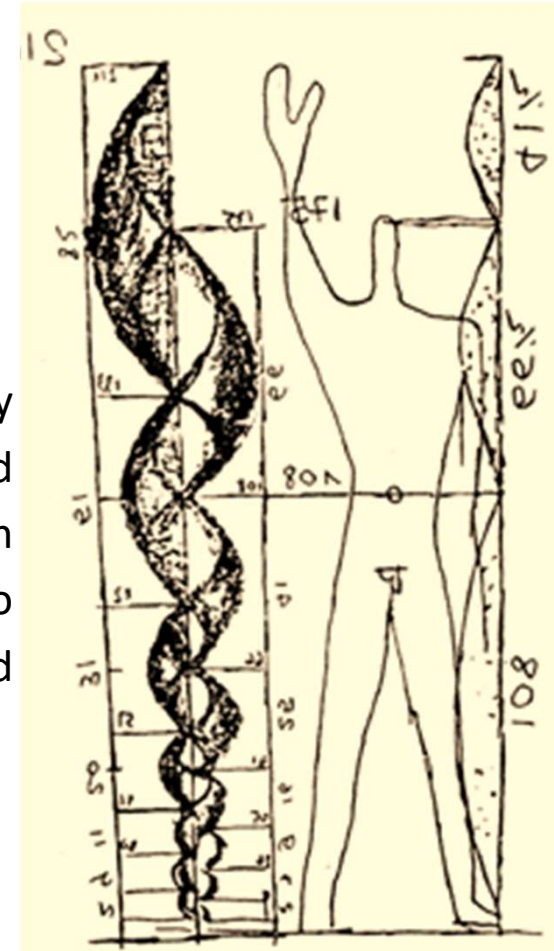
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PSO (PROGRAM SPECIFIC OUTCOME)
At the end of the program, the student

PSO 1. Should be able to use the knowledge of Basic Design principles, natural and cultural environment, building material, construction techniques and services, structural engineering and other architectural specializations to design user and environment friendly buildings



PSO 2. Should be able to apply appropriate technical and specialized knowledge and modern software tools related to architecture to resolve real world problems



PSO 3. Should have the capacity to analyze, comprehend, design and supervise to execute buildings thus demonstrating professional ethics and concern for societal well being.

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CO (COURSE OUTCOME) **COURSE: M. ARCH (COMPUTER APPLICATIONS)**

CO 1. Knowledge of Computer Application: Knowledge of computer applications in Advanced Architecture design processes is imparted holistically.

CO 2. Professional Competence: The curriculum is objective driven and facilitates to achieve competence for Architectural profession.

CO 3. Collaborative Work Culture: Teaching system follows the culture of team work and inculcates leadership skills.

CO 4. Communication Skills: Training to excel in expressing architectural works through Graphical, Verbal, Textual and Digital skills.

CO 5. Sustainable Approach: Understanding the impact on environment and crucial role of an architect towards sustainable methods, an integral part of the curriculum.

CO 6. Commitment to the Society: Crafting responsible & sensible Architects for the future.

CO 7. Architectural Ethics: The course helps to make students aware and develop moral responsibilities of architectural practice for not only to build buildings but to build the Nation.

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CO (COURSE OUTCOME) **COURSE: M. ARCH (ARCHITECTURAL CONSERVATION)**

CO 1. Architectural Knowledge: The curriculum equips the conservation professional with technical as well as managerial skills. His role ranges from a conservation architect, conservation planner to heritage manager with sound philosophical base.

CO 2. Professional Competence: The curriculum is objective driven and sound technical knowledge making the student competitive and can compete in the profession.

CO 3. Collaborative Work Culture: Teaching system follows the culture of team work which imbibe leadership skills within the students.

CO 4. Communication Skills: Students are trained to achieve good Graphical, Textual, and Managerial skills with strong philosophical base.

CO 5. Sustainable Approach: Understanding nature, sustainable development is crucial. Heritage as a tool for sustainable development is an integral part of the curriculum.

CO 6. Commitment to the Society: Good sound and successful conservation architects are the desired outcome of the course.

CO 7. Architectural Ethics: The students develop good moral responsibilities during the course. Students not just contribute in the field of conservation but a good sensible and ethical conservation architect and a person in created through the course.

