



MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY

(A State University Estb. by Govt. of Punjab vide Punjab Act No. 5 of 2015 and Approved u/s 2(f) & 12 (B) of UGC; Member AIU)

Bathinda-151001 (Punjab), India

Department: **SCHOOL OF ARCHITECTURE AND PLANNING**
Giani Zail Singh Campus College of Engineering & Technology, MRSPTU

Program: **B.Arch**

PROGRAM OUTCOMES (POs)

The programme outcomes upon the successful completion of B.Arch level and becoming an architect are aimed to equip students with ability in the following learning outcomes:

1. **PO1. Architectural Knowledge:** Acquire a wide range of Professional architectural knowledge which will help them to practice as an architect. Students will be equipped with gaining knowledge of architecture as well as allied fields like environmental science, landscaping, sustainability, urban design, Photography, architectural writing which can be further enhanced by doing specialization.
2. **PO2. Problem Solving:** Through education, we emphasize the power of discovery and the foundation of critical and analytic thinking. We foster creativity, challenge the boundaries of knowledge and cultivate independence of mind through unique interdisciplinary partnerships. Ours is a proud culture of innovation, collaboration and discovery that has transformational impact on the society.
3. **PO3. Design development:** Systematic exploration of architectural design through sequential development in the complexity of design issues. Systematically Integration of all other allied subjects at different levels depending upon the objectives to be achieved. Identify, formulate, Precedent studies in form of case studies, Literature studies for analysis and inferences to reach conceptualization for a particular design project. Considerations of climatic studies, sustainability, environmental issues, structural detailing, byelaws and norms etc. to develop a design solution. Holistic development of studies in

term of Architectural design, required skills (Communication skills, presentation skills, model making skills) and professional capabilities and discipline.

4. **PO4. Conduct Investigation:** Use research based knowledge and research methods including experiments, analysis and interpretation of data and synthesis of information to arrive at a conclusion.
5. **PO5. Modern tool usage:** Application of appropriate techniques, resources and modern tools including prediction and modelling to derive at solutions, Use of various presentation techniques to explain the solutions.
6. **PO6. Socially responsible Architects:** Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **PO7. Environment and Sustainability:** Making students sensitive towards varied aspects of Built Environment. Understand impact of the professional architectural design solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.
8. **PO8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the architectural professional practice.
9. **PO9. Individual and teamwork:** Function effectively as an individual and as member or leader in diverse teams and in multidisciplinary settings.
10. **PO10. Communication:** Communicate effectively on architectural issues with the architectural fraternity, community and society at large, able to write effective reports, design documentation, make effective presentations, give and receive instructions.
11. **PO11. Project management and Finance:** Demonstrate knowledge and understanding of architectural design management principles and apply these in individual work, as a member and leader in team, to manage projects and in multidisciplinary environment.
12. **PO12. Lifelong learning:** Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.



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PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Graduation in Architecture will empower students in the art and science of designing buildings involving:

1. Understanding and appreciation of entire gamut of built environment including siting, site planning, designing and construction in accordance with accepted professional standards and ethics.
2. Creating capacity and capacity to create healthy and user friendly living environment.
3. Promoting competency to understand the context of environment. Ecology, Climate, Bio-diversity, Materials, Flora and Fauna for designing Sustainable buildings.



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PROGRAM SPECIFIC OUTCOMES (PSOs)

1. **PSO 1** - Architecture graduates will be well prepared for pursuing successful careers in industry (Government, PSU & Private sector) in one or more of the areas of architectural design and project execution of built environment of varied typology like residential, healthcare, commercial, institutional buildings including interior and landscape design as per scope.
2. **PSO 2** - The graduates will be prepared to become entrepreneur, team leaders and decision makers in their organizations as professional architects and will contribute effectively to the growth and development of their organization.
3. **PSO 3** - The graduates will be prepared to be compatible to specialize by pursuing higher education in architecture, allied fields and/or interdisciplinary studies of their interest to develop and enhance their own stature for effective contribution to the profession and society at large.
