



Shri Mata Vaishno Devi University Katra

School of Architecture & Landscape Design

PROGRAM EDUCATIONAL OBJECTIVES

(B. Arch. Five Year Full Time Degree Program)

PEO 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.

PEO 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.

PEO 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.

Program Outcomes (POs) of B. Arch. Program offered by SoALD at SMVDU

The curriculum and syllabi of B. Arch. Five Year Full Time Degree Program is designed to achieve identified Graduate Attributes (GAs) with following POs.

After successful completion of the degree program, a student(s) will be able to;

1. Inculcate/develop creative intellectual capabilities and enhance observation power.
2. Understand architectural design process and attain proficiency in architectural design of various types of buildings like residential, commercial, institutional, healthcare, recreational etc., particularly in Hilly Areas.
3. Make themselves familiarize with the determinants of built environment in an integrated manner; such as site and surroundings, socio-economic aspects, environmental concerns, structural aspects and the building materials.
4. Learn the components of a building and process of building construction, judicious use of materials; building technology, manpower and equipment used in transformation of concepts to commissioning.
5. Understand aspects like climatology, environmental control, energy efficiency & alternative methods of energy use and its conservation, integration of renewable energy systems.
6. Apply the knowledge of Architectural Fundamentals and Principles with applicable specialization for the solution of complex architectural challenges.
7. Identify, formulate, research literature and analyze problems reaching substantiated conclusions.
8. Use research based methods including surveys, design, analysis and interpretation of data and synthesis of information leading to logical conclusions.
9. Create, select, and apply appropriate architectural tools, techniques and resources, including visualization, simulation, prediction and modeling simple and complex cases of built environment with an understanding of its limitations.
10. Apply reasoning within the contextual knowledge to access societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional practice of architecture.
11. Understand the impact of architectural solutions in societal and environmental contexts, and demonstrate / apply the knowledge and the need for sustainable developments.
12. Apply ethical principles and commit to professional ethics and responsibilities and norms of architectural practice.
13. Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.
14. Communicate effectively on architectural design process and activities with the engineering team and with society at large such as being able to comprehend and prepare reports and design documents, make effective oral presentations, and give and receive clear instructions.
15. Recognize the need for and develop the ability to engage in independent life-long learning in the broadest context of rapidly changing technological scenario.

Course Outcomes of every course in B. Arch. Program are mapped to POs considering following;

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| 0 | Value = Addressing to Zero Degree |
| 1 | Value = Addressing to Low Degree |
| 2 | Value = Addressing to Medium Degree |
| 3 | Value = Addressing to High Degree |

