

## Analyzing the Ancient Islamic Architectural Theories: Role of Geometric Proportionality as a Principle of Islamic Design

**Authors :** Vamsi G.

**Abstract :** Majority of the modern-day structures have less aesthetical value with minimum requirements set by foreign tribes. Numerous elements of traditional architecture can be incorporated into modern designs using appropriate principles to improve and enhance the functionality, aesthetics, and usability of any space. This paper reviews the diminishing ancient values of the traditional Islamic architecture. By introducing them into the modern-day structures like commercial, residential and recreational spaces in at least the Islamic states, the functionality of those spaces can be improved. For this, aspects like space planning, aesthetics, scale, hierarchy, value, and patterns are to be experimented with modern day structures. Case studies of few ancient Islamic architectural marvels are done to elaborate the whole. A brief analysis of materials and execution strategies are also a part of this paper. The analysis is formulated and is ready to design or redesign spaces using traditional Islamic principles and Elements of design to improve the quality of the architecture of modern day structures by studying the ancient Islamic architectural theories. For this, sources from the history and evolution of this architecture have been studied. Also, elements and principles of design from case studies of various mosques, forts, tombs, and palaces have been tabulated. All this data accumulated, will help revive the elements decorated by ancient principles in functional and aesthetical ways. By this, one of the most astonishing architectural styles can be conserved, reinstalled into modern day buildings and remembered.

**Keywords :** ancient architecture, architectural history, Islamic architecture, principles and elements

**Conference Title :** ICIAB 2017 : International Conference on Islamic Architecture and Buildings

**Conference Location :** Sydney, Australia

**Conference Dates :** December 04-05, 2017