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INNOVATION: THE SOUL OF ARCHITECTURE

U. Swetha Naidu

School of Architecture, Vellore Institute of Technology, Vellore- 632014

swetha.naidu2018@vitstudent.ac.in

Abstract:

Innovation in architecture is the main topic discussed in this article. Innovation is mainly based on the knowledge and research. For preparing this article I have referred different sites. For innovating we need to have knowledge about what we are doing. Technology has an important role in architectural innovation. Innovation had become cooperative objective now a day.

Keywords:- **Innovation, Technology, Knowledge, Architecture, Research**

INTRODUCTION

Innovation is required as the architecture course is based on creativity. We need innovation to create something beyond anybody have created. I need innovation as an architect to learn something new and create something new. Technology helps to know information about what is going around the world. We will be able to know what is happening around the world. We will know about different architectural buildings. We will be able to know about different materials and tools used for construction. We will be able to know about new technics used for construction. There are different types of software`s that are used by architects. Some of them are Autodesk, AutoCAD, AutoCAD LT, Auto Sketch, Revit, VIZ, 3D's MAX, MicroStation, Sketchup, Chief Architect, ArchiCAD. These software`s make the work of the architects easy without consuming must time. Each software is designed to do the particular work. Autodesk software is used to design, draft and model the building. AutoCAD software is used to create blueprints for buildings and bridges. AutoCAD LT is a software used for creating 2D designs. Revit is a software used to create models based on the information of building. VIZ software is used to display elements or objects graphically. 3D`s MAX software is used to animate models for describing buildings. Auto Sketch is used for producing 2D drawings. MicroStation software is used to create elements and objects in 2D or 3D graphic. Sketchup software is used for modelling in interior design, landscape architecture in 3D form. Chief Architecture is a software is used to design interior in 3D form.

LITERARY SURVEY

The increasing global sustainable approach kindles the innovation in many areas of Building Information Modelling (BIM). Because of lack of innovation there are no trained persons to do BIM. Today`s 21st century the architecture hasto deal with the technological change. To know more about architecture there should be an education on environment. Innovation is much required in architecture. (2) The inclusive innovation needs to be understood and developed to know more about innovation in architecture. The private sector is investing large amount of global funds for inclusive innovation. Consideration also plays an important role in determining the direction of innovation. The inclusive innovation is needed for the inclusive development. Therefore, a balanced has be maintained towards innovation as an architect. (3) Architecture, engineering, and construction industry (AEC) address the concerns of building designs which are eco-friendly. It also says about the barriers faced by design team during the innovation in building designs. There is a direct relationship between research and innovation. This predict that technological innovation in architecture is not random. (4) The innovation of a new material needs technology as

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well as it has three stages. First, we need to innovate a new material. Secondly it should be in a period where its use become established. Thirdly we need to innovate different materials by using original material. Therefore, innovation does not have any end. (5) Innovation is required for growth, profitability and competitive advantage. There are two environmental factors that determine the innovation in architecture. They are appropriability regime and industry architecture. Strong appropriability regime favours the innovation on the bases of environment. Architecture has a great understanding with technology. (6) Internet architecture effects the innovation that is required as an architect. The features of architecture effect the environment innovation. Innovation results in many opportunities. Internet architecture is required to create modularity, layering and end-to-end arguments. Internet architecture effects the innovation of economic growth. (7) There are three critical aspects that determine the relationship between technology and industry architecture. Firstly, integrating is a design operator used to explain the architectural genesis. Secondly the linkages between industry structure and product architecture. Thirdly propose the outcome of architectural innovation. The efficiency is greater in architectural innovation. (8) Innovation had become truly a cooperative objective. The arrangement of building blocks needs a strong organisation and innovation foundation. We must also see that innovation do not lead to consequences. Innovation requires a greater concentration to support today`s necessities. Innovation is required for organization of the structure. (9) Innovation in architecture requires a lot of knowledge economy. In architecture there are dual values. The dual values are knowledge and innovation. Architectural innovation creates knowledge creation and application. Due to innovation the change management techniques can be improved. (10) Architectural innovation mainly starts on the bases of ideas. The major reason for the failure of establishing firms is no encouragement for innovation. Innovations are the main base in architecture to start with. Innovation should be in

such a way that it does not disturb the environmental innovation. Therefore, innovation cannot be random.

FINDINGS

Innovation is a most important aspect in every field to have profitability, growth and competitive advantage. Innovation in architecture cannot be random. Knowledge is an important aspect in innovation. Innovation is the most important to start in architecture. Innovations mainly start with an idea. Innovation in architecture should not affect the innovation of the environment. It is also important that innovation meets the needs of today. Innovation in architecture has a direct relationship with Technology. Research and knowledge are very much important in architecture.

CONCLUSION AND RECOMMENDATION

Innovation is a main breath of architecture. Innovation cannot be done without proper knowledge and research. Innovation in architecture would be difficult if there is no technology. Technology plays an important role in architecture. Due to the development of different softwares the work of the architect has decreased. It also important the innovation must be encouraged in different field for growth. Innovation should have proper establishment to present society. Innovation in architecture is important to do something beyond no one has done. Therefore, innovation plays an vital role in the life of an architect.

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