ARCHOVATION
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Abstract:
In this paper I have researched on the ways by which technology has become a boon to Architects. I have mentioned the best of best software for young as well as experienced Architects. These softwares not only ease work load but also reduces the possibilities of error thereby reducing the risks and also increases accuracy. Innovation is the need of every Architect. The transformation of ideas to designs and the designs to real life structures just blooming out from the Earth. Thesesoftware’s act as supportive measures to all striving Architects. Let’s take a look at it.

Keywords:- Architecture, Innovation, Technology , Software, Reduces risk.

Introduction
Innovation is the need of every Architect. It is where one’s ideas become designs and these designs turn out to be real life buildings. Innovation commutes your thoughts in a visually appealing manner. Technology on the other hand supports one’s innovation by giving us ideas of the style followed by other expert Architects across the globe which can be inspiring to budding Architects. The following are the top ten three–dimensional modeling softwares for Architects. ArchiCad is the software which allows 2D drafting. Revit is a software which is used to create perfect architectural designs. AutoCAD architecture is useful to produce both 3D and 2D design. AutoCAD Civil 3D is the software that allows us to create a civil design. Chief Architect is the fifth software in the list used to develop home design projects. Rhino 3D is the sixth software listed here which is used specially for development in fabrication. CATIA is a software to create any complex and high scale projects. This software has been used by Architect Sir Frank Gehry to establish his amazing curvilinear structures. SketchUp is a great software inorder to create walkthrough’s and extravagant flyovers. 3D StudioMax is an amazing software for Architects which requires a lot of skill to use it effectively. Architects can take up online training to learn how to use the same. Last but not the least in the top ten softwares listed here is the SolidWorks which is an engineering software which can be used by Architects to get the structural overview of one’s project.

Literary Survey
[1] ICT’s help anyone in the transformation of professional education in Architecture. It enhances capacities of students to work together and also provides a boon to professors to enjoy greater participation in the community of Architectural learning.[2] ENTERPRISE APPLICATION INTEGRATION (EAI) helps to reduce the structural risks by producing successful designs with known engineering attributes.[3] Generally the Architects subscribe to a lot of trade journals like computer telephony etc., now with design support www (world-wide web) Architects can just be inspired from other experienced Architects and make necessary changes accordingly. VIEWGRAPH PACKAGE is the medium for developing Architectural firms using Microsoft Power point.[4] Usage of Energy Saving Technologies intervenes the support of existing stylized design schemes and thus increases an Architect’s work load.[5] Taking designs of applications its requirements, Architecture patterns, technology, risky factors are clearly discussed. Art integration has been implemented by the use of J2EE and .NET.[6] With the developing IFC’s conflicting designs between Architect’s and structural Engineers becomes true.[7] Architecture has gained inspiration in landscape designs as well as in technographics. Experimentation in Architecture is a tough task,
where one has to develop something that overcomes problems which affects Architecture for over a century. “PROGRAM” as an exercise for young Architects to comprehend a concept that regulates and creates form.[8] CONTOUR CRAFTING helps in the construction of less expensive homes and shelters. Construction of expensive designs that involves complex curves, are built using the application of contour crafting.

[9] The versatile modern Architects Serge Chermayeff and Welles Coates, used the thermoplastic materials like Bakelite to produce futuristic designs which became famous in their future constructions. [10] HOTLEAKAGE explores the threshold of gate leakage that University of Virginia worked on. The important features are the potential to calculate temperatures, gate leakage, dynamic currents, voltage changes, and many more.

**Findings**

ICT’s help both professors and students to enjoy a greater level of participation in Architectural education.

Enterprise Application Integration (EAI) helps to reduce the structural risks by producing successful designs with known engineering attributes. Designs of applications are taken to discuss various queries. J2EE and .NET Technologies help in art integration.

Viewgraph package is the medium for developing Architectural firms using Microsoft power point. “Program” an exercise for budding Architects help them to get a detailed understanding of form. Contour Crafting helps in construction of both luxury structures with extravagant Architectural sketches that involves complicated curves and other complex geometries, which are close to impossible to build by manual approach, is an application of contour crafting.

The versatile modernist Architects, used thermoplastic material Bakelite to produce futuristic designs which increasingly became famous, in their various following transformations. Hot leakage is for finding threshold and gate leakage. They also help infinding temperatures, leakage currents dynamically on temperature and voltage changes.

**Conclusions**

Extensive collaborative designs between the architects and structural engineers become a reality with the help of technology. Subscription to multiple trade journals like computer telephony etc., is reduced now due to www (world-wide web). Architects can just copy and paste from others works into theirs own and make the necessary modification. Using energy saving technologies intervenes the support of existing design schemes which increases an Architect’s work load. Thus I believe that in this 21st Century, technology has become a boon to Architects.

**Reference**


implementation of IFC-based web server for collaborative building design between Architect’s and Structural engineers. Automation in construction, 14(1), 115-128.


