

## **Windows concept between yesterday and today and its impact on buildings design**

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### **Abstract**

Since man has lived inside caves, he is looking for light to allow him to see full and clear, so it was found in some caves in China and Europe, especially Turkey, they dug windows in mountain caves that turned into homes for them. And with the growth of human awareness of the construction process, he was able to develop his design and engineering for windows by designing them and putting artistic and decorative touches on them to increase the beauty and makes the building more valuable, whether a house or a place of worship, a mosque or a temple, or even public buildings. With various types and effects as well as implications of the windows, some most economical and energy-efficient windows are one of the top-rated and important considerations for both new and existing homes. These energy-efficient windows are responsible for the heat gain and heat loss through windows and account for 25%–30% of residential heating and cooling. The selection of new window designs and implications for newly constructed house or office space or to replace existing windows, it's important to know different between choices and what houses really needs to keep it necessary hot or cold for specific weather requirements that work best in your climate. Also in this research, it discusses the lack of privacy in some window designs is addressed and the opinions of some homeowners were surveyed on this issue.

### **Keywords:**

Windows designs, Modern windows designs, Latest window designs, outdated windows, Types of windows, Impact of windows on interiors.