

## Passive Solar Techniques to Improve Thermal Comfort and Reduce Energy Consumption of Domestic Use

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**Abstract :** Passive design responds to improve indoor thermal comfort and minimize the energy consumption. The present research analyzed the how efficiently passive solar technologies generate heating and cooling and provide the system integration for domestic applications. In addition to this, the aim of this study is to increase the efficiency of solar systems system with integration some innovation and optimization. As a result, outputs of the project might start a new sector to provide environmentally friendly and cheap cooling for domestic use.

**Keywords :** passive solar systems, heating, cooling, thermal comfort, ventilation systems

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