

**“Design studio indoor environmet quality standards and it`s impact on energy consumption ”**

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**Abstract**

The quality of the internal environment IEQ is an important topic that many researchers have addressed because of its significant impact on the health of the occupants of a vacuum, as it affects the level of performance, productivity and the health of users psychologically and organically, such as eye, nose and throat irritation, as well as energy consumption in buildings. The quality of the indoor environment is concerned with achieving IAQ indoor air quality, thermal comfort, visual comfort and acoustic comfort, as well as the internal conditions that provide comfort for the users of the space while respecting the parameters of the external environment, ventilation factors, natural lighting, wind, energy, and the use of environmentally friendly materials and materials. Achieving comfort for users of space, and interior design is one of the disciplines most closely related to the impact of the environment and human life. We see the increasing global trend towards the need to reach sustainability in all areas and at all levels, and take advantage of environmental treatments that provide comfort within the spaces and reduce harm to humans and the environment.

The aim of this research is to promote the idea of considiration about the relation between the occupant behavior inside design studio and it`s impact on the energy consumption in the building , inorder to identify methods of acheiving more effective IEQ parameters .

**Keywords:**

Indoor Environment Quality- Human comfort system - Indoor Air Quality –Sick building syndrom -Thermal comfort – Acoustic comfort – Visual comfort - HVAC - Human needs- Energy Consumption - ventilation .