

## **FACTORS INFLUENCING DAYLIGHTING AND INTERNAL TEMPERATURE INSIDE THE ROOM UNDER OVERCAST SKY CONDITION**

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Natural light has more uniform dispersion in contrast to artificial illumination. As a result, it reduces glare, and also, visual comfort is of foremost importance for the overall well-being of individuals, as it has a significant influence on energy consumption. This study offers a thorough examination of Window to wall ratio (wwr), visible transmissions(VT), solar transmissions(ST), U-value of the window, and external temperature at that affect a building's energy performance at 11.25°N 75.78°E (Kozhikode). The study on lighting and energy usage under overcast skies might yield important information on building efficiency and design improvement. The integration of natural lighting under overcast skies, particularly in environments such as offices or classrooms, plays a vital role in improving comfort levels and creating conducive, pleasant atmospheres.