# Description of Problem

The implementation of appropriate lighting is of utmost importance in mitigating eye fatigue, and the utilization of dim lighting in brighter settings holds the potential for energy conservation. Regrettably, a significant number of individuals frequently overlook the act of turning off lights upon departure, leading to unwarranted energy wastage. Moreover, a notable deficiency is observed in certain desk lamps, which lack the capacity to adjust brightness levels, thereby causing discomfort when environmental conditions undergo alterations during work. The nocturnal absence of adequate illumination poses safety risks and necessitates the automated activation of a night light. Furthermore, the prolonged sedentary nature of desk-bound activities exerts a detrimental impact on physical well-being, prompting the quest for reminders to alleviate this concern. Compromised sitting postures represent an additional predicament, as they readily engender bodily harm. Additionally, individuals frequently fail to document their computer usage or reading duration during the formulation of their schedules. Lastly, there exists an expressed aspiration for an integrated system that visually presents indoor temperature and humidity, along with offering suggestions for adjusting these factors accordingly.

# Description of Proposed Solution