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(57) Abstract :

The present disclosure pertains to a system and device to facilitate controlling temperature of a space. The system (100) includes a cooling device (112) and a device (104) in communication with the cooling device (112). The device (104) includes a first set of sensors (202) configured to sense a temperature of an entity (106), a second set of sensors (204) configured to sense physiological parameters of the entity (106), a controller (206) configured to update and train a training and testing dataset based on sensed temperature, pulse rate and blood pressure by the first set of sensors (202) and the second set of sensors (204), analyze the sensed temperature, the pulse rate and the blood pressure and determine a temperature limit, transmit a set of control signals to the cooling device (112) based on the determined temperature limit , where the set of control signals facilitates controlling the cooling device (112) and enables maintaining determined temperature in the space.

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