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(57) Abstract :

The present invention provides a diya (100) to prevent submergence of a wick in oil, offering enhanced safety and functionality. The diya includes sensors (106, 108) integrated into its body, which detect the oil level and changes in the wick position as the oil gradually diminishes over time. Additionally, the diya includes a control unit (110) that receives input from the sensors and performs analysis on the received data. It then transmits real-time information regarding flame status, oil level, and intervention time to a connected computing device. Furthermore, the control unit compares the input with a pre-set threshold and activates an alarm if the threshold is exceeded, alerting the user to take necessary action, such as refilling the oil. With its intelligent monitoring and alarm system, this diya provides a convenient and safe lighting experience for traditional and festive occasions.

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