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## Pre-Emptive Smart Fan System to Avoid Suicide by Hanging

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Abstract: According to the most recent study from the World Health Organization, India has the highest suicide rate in the South-EastAsian area. India's suicide rate was estimated at 10.4 suicides per 100,000 persons in the study released the day before World Suicide Prevention Day in 2019. Because of the depression people experience, the suicide rate has soared since the corona virus epidemic began. Suicide is most frequently committed by hanging oneself from a fan. The global rate of hanging suicide is quite concerning. According to a report by the Indian government's National Crime Records Bureau (NCRB), quite a few hanging instances are documented each year. The majority of hanging cases are typically suicidal. The likelihood of a homicidal case leading to a hanging scene is exceedingly high. The crime scene must be examined on several key points in an undisturbed state, followed by an autopsy analysis, in order to differentiate between suicidal and homicidal hangings. Many other systems have been suggested to stop these cases. Thus, the primary goal of this study is to decrease the number of suicide attempts that occur, and these prevention techniques will aid in saving lives in order to address this issue.

**Keywords:** Suicide, Hanging, Ceiling Fan, Micro-controller, Sensor, IOT

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