

# Agni Dita- Electronic Sanitary Napkin Disposal System

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**Abstract:** The problem of improper disposal of Absorbent Hygiene Products (AHP) is a major roadblock for achieving "Swachh Bharat Mission" goals for clean and green India. The destruction of disposable Absorbent Hygiene Products (AHP) has been a global issue for a very long time. Attempts to dispose AHPs were made by flushing them down the toilet, which resulted in clogging or attempt of burning them down, which resulted in releasing toxic gas in the open air which is harmful for the environment. Although, efforts were made to solve the problem of disposing AHPs, with the help of incinerators, but no prior attempts have been made to satisfactorily and safely dispose of AHPs in such systems. The main objective of this system is to avoid land pollution and air pollution, by which we can put forward complete safety and solve the above-mentioned issues by making our incinerator smart and efficient. Hence, we have designed an electronic sanitary napkin disposal system. The proposed system hence put forth a solution as an essentially simple, cost efficient, fully automated construction, adapted to be hung on any wall in a lavatory, to dispose sanitary napkins. Our system consists of four chambers- the input hatch, the burning chamber, the ashtray and the gas treatment water tank. This system will be completely microcontroller driven with a display showing the current status of the system or any system alert.

**Keywords:** Absorbent Hygiene Products (AHP), disposing, toxic gases, incinerator, electronic sanitary napkin disposal system, microcontroller, display

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