

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELGAUM- 590014**



A Capstone Project Report

On

**DESIGN AND DEVELOPMENT OF INCENSE (AGARBATTI) STICKS
PACKAGING MACHINE.**

Project Report submitted in partial fulfillment of the requirement for the degree of

**Bachelor of Engineering in
Automation and Robotics Engineering**

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ABSTRACT

An Automation based project sponsored by Karnataka state council for science and technology on behalf of All India Incense sticks manufacturing association. The following research areas are associated with this innovative project. Process automation, programmable logic controllers, sensors and signal conditioning, control systems, productivity and marketing. The project involves design and development of low cost Incense sticks packaging machine which will fit for all scale industries with a good marketable response. The machine consumes less power and maintenance of machine will be low enough so as to fit in rural areas.

The machine involves functions such as loading of Incense sticks to packaging process, counting accurately number of Incense sticks, sealing the Incense sticks into the cover and dispatching. The count of Incense sticks will be flexible as user desires. The counting process will be carried out under sensory actions. The movement of Incense sticks from one section to another section within machine will be taken care by actuators. As stated by association the process of counting and putting Incense sticks into the cover is a severe bottleneck in their manufacturing process. Hence this machine will eliminate this bottleneck and will ensure that overall production and consumption of Incense sticks will be increased drastically.

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