Abstract

According to an aspect of the present application, a bird repellent system for indoor use is proposed comprising a self-contained apparatus that is suspended at high level of a indoor area is useful especially for repelling birds trying to roost or scavenge for food in Wet Market, Warehouse, Cafeteria, Food court, etc where wholesale or cooked food are stored or served.

The self-contained apparatus having at least sensory mechanism, laser gun/s, servo motors for rotation in either x-axis and/ y-axis with the former used for visual and audible detection of birds integrated with Artificial Intelligence analytic software embedded in the Central Processing Unit to plot out the azimuth and area of protection, and upon detection will emit guided laser beams at the target area where the birds are present, be it at low or high level, as determined by the visual and audible detection system.

The laser beams will be emitted with a disruptive dissonance, with variation to intensity, duration and non- linear polarisation at plane to confuse the bird/s ability to adapt through cognitive learning.

Figure 1 – Front view of Artificial Intelligence based Laser Beam Bird Repellent System for Indoor use

