BLACK PEPPER CUTTING MACHINE

ABSTRACT- The project deals with the design and the fabrication of black pepper cutting machine. Black pepper is a good source of income for the farmers. But they are facing trouble in plucking the black pepper. The plucking of black pepper is usually done manually with more number of labours. This consumes a lot of time and also an extensive labour charge is there. In order to eliminate these types of disadvantages, we propose a simple black pepper cutting machine. The machine is portable and will shred the whole plant . It will shred the whole plant including the leaves but it will not affect the growth of the plant. The machine is kept in a platform. And the movement of the machine is done by rack and pinion technology .A zig zag blade is used for cutting. The shredded leaves and black pepper is collected using a net. A rechargeable lithium ion battery is used for the power source of the machine. The machine move vertically using rails and using rack and pinion technology. It will shred the whole plant and the shredded items will be collected by keeping a net The whole shredding will not affect the growth of the plant as the root the plant is not damaged .