DESIGN AND FABRICATION OF LOW COST RICE TRANSPLANTER MACHINE FOR USE IN AGRICULTURE

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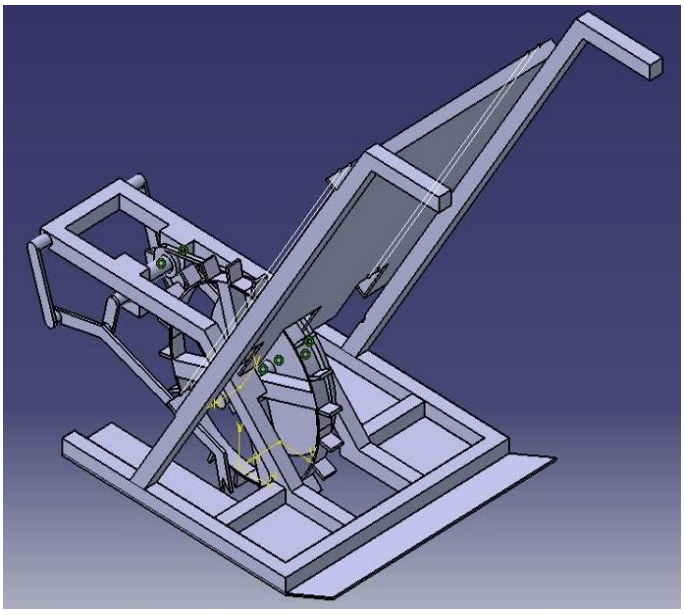
Keywords:

Rice Planting Machine, sprocket

Objectives:

- To develop a low cost and effective rice planting machine
- Affordable by small scale field farmers.
- The machine is user eco-friendly and portable.
- To increase the efficiency of crop planting.

Methodology:



- The seedings are to be picked up from a tray which is provided with slots to facilitate an uninterrupted movement of the fingers.
- Basically the arrangement comprises of a ground wheel, and is in contact with the ground which is mounted on the drive shaft.
- Also there is a sprocket, the main function of sprockets is to transmit torque through chain.
- The chain is simplex type. link are connecting rod, lever, crank and planting finger fork.it is mounted on the driven shaft.
- The finger planting is the main element which is responsible for the plantation of the nursery seed.it oscillates at certain angle and it is called as fixed fork mechanism..