**Automated seed sowing mechanism**

**Abstract :-**

Presently farmers are facing shortage of labours due to growing industrialisation. To achieve required production in farms need to implement automation. This project aim at automation of manual seed sowing process. This robot consists Plough in front that digs soil. Covering plate covers seed with soil.

Short Description

This A robot is constructed made of Steel wheels and driven by High torque DC motor. On the robot seed container is mounted with seed sowing roller this roller is driven by chain link through main wheel shaft. At front portion of robot Plough is installed and at rear side covering plate is applied. As robot moves in forward direction plough makes digged line and seed sowing roller drops seeds through pipe in that digged line , Covering plate covers seed with soil.

Highlights

* High torque Dc Motor drives Wheel Shaft.
* As main shaft rotates seed roller starts rotating and picks seeds from container & drops seed in pipe.
* Plough mounted at front section digs land.
* Covering plate mounted at rear end covers soil on seeds.

Hardware.

* High torque DC motor.
* Seed controller.
* Frame.
* Steel wheels.
* Battery.
* Seed roller.
* Chain-sprocket link.