

Development and Fabrication of Innovative Plough

Prakash Dhopte^a, Pratik Lanjewar^b, Akshay Walde^b, Deepak Deoke^b, Kunal Radke^b

^aAssistant Professor, Mechanical Engineering Department

^bStudents, Mechanical Engineering Department,
Jhulelal Institute of Technology, Nagpur, Maharashtra

Abstract: Farming to feed families is becoming increasingly difficult, time-consuming, and labor intensive in village communities. With difficulty in obtaining and carrying equipment to the field, farmers are reliant on using traditional hand equipment, which is laborious.

The farmer would farm in the village with the old type of ploughing and there would be no type of comfortable space to sit and do the farming. We studied those problems and designed an innovative plough for the farmers for comfortable or continuous farming without any stress. To help overcome this problem, the research/project "Design, Design and Evaluation of Portable Plows" will introduce the "portable plow", a lightweight, simple and inexpensive metal plow. The plow was created by modifying and building an old scooter, removing unnecessary parts and placing the modification in the appropriate location on the plow. The aim of the program is to make small but significant changes in the way of agriculture by revolving around these elements. This project is just a prototype and the design can later be used for mass production/commercial use.

Keywords: Farming