

## ABSTRACT

Several automobile garages revealed the facts that mostly some difficult methods were adopted in unloading the materials from the trailer. Now the trailer has mainly concentrated on this difficulty, and hence a suitable arrangement has been designed. Such that the material can be easily unloaded in three axes from the trailer. In our study, we implemented two activation systems to control the axis and tilting control of the trailer. Both the activation mechanism is controlled manually or through an activation drive. The direction of the mechanism can be controlled with the gear arrangement and lead screw setup which is actuated by a rotational force for rotating and lifting the trailer cabin on the required side. Further modifications and working limitations will put this work in the main league of use. This concept saves time & energy which leads to efficient working.