

## **ABSTRACT**

Lifts do play the most vital role in the manufacturing industries. In this project we aim to create a machine that reduces man power that is additional. This hydraulic floor lift consists of Base truck, hydraulic jack, wheels, hydraulic hoses, levers, direction control valve, horizontal beam and hooks. There the beam is placed vertical can also called as support arm. .is connected to the base plate and the hydraulic jack touching the hook used to lift the heavy industrial load. The hydraulic jack is lifted or operated outward with the help of reciprocating movement of lever connected to the hydraulic jack. The lift is fabricated with complete clear front, small compact frame, good reach, high lift and with low center of gravity. The lift has the capacity of lifting 10 kg with wide spread application in the shop floor. Thus the floor lift would serve as a safe and versatile model for material handling.