Fabrication of Hydraulic Table Lift

MIME2350 – Diploma Project
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**Abstract:** Our project work is about designing and fabricating an inexpensive and very easy to use hydraulic table lift which can carry heavy appliances. This table lift is a motorized vehicle that has a platform which can be raised straight up in order to gain access and perform work on areas that are difficult to reach and also to lift up moderately heavy load up to certain specified level. The primary purpose of this table lift is to provide a highly mobile means of reaching areas that are very high, such as ceiling in large buildings or the top of storage racks. Conventionally, a lift or jack is used for lifting a vehicle to change a tire, to gain access to the underside of the vehicle, to lift the body to appreciable height, and many other applications. Also such lift can be used for various purposes like maintenance and material handling operations. We have also considered various design aspects right from the selection of raw materials to designing all vital parts such as - frame work and a rigid base plate to withstand the load. Then fabrication of each component as per the design and drawing was carried out and all were assembled to bring out the table lift.