

## **FABRICATION OF HYDRAULIC BASED MOBILE CRANE**

### **INTRODUCTION:**

Cranes are versatile lifting and transporting mechanisms that are made adaptable to a wide variety of jobs by the attachment of an almost infinite number of specially designed grabs . motor operated jib crane has along jib, or arm that extends several feet from a heavy base. The and keeps the crane from tipping over. The end of the jib has a pulley. A rope, with a lifting hook in the end runs from pull to a winch (crank) in the foundation. The operator turns on the motor to lift or lower the hook the arm is lowered. Thus a jib crane can move a weight to any point around the circumference of the circle its jib makes cranes mounted on wheeled chassis which is propelled by the same motor which drives the mechanism on the superstructure this type is suited for operation that require constant and relatively rapid movement of the crane around the job such as in a factory or storage yard.

### **PROPOSED SYSTEM:**

Proposed system can move a weight to any point around the circumference of the circle Its jib makes.

### **APPLICATIONS:**

1. Mining industry
2. Cement industry
7. Automation industry.

### **ADVANTAGES:**

This system can move a weight to any point around the circumference of the circle Its jib makes.

TECHNOFIST