

## FABRICATION OF STAIR CLIMBING WHEEL CHAIR

### INTRODUCTION

A Manual Stair Climbing Wheelchair is important that the physically challenged people are included in the mainstream and this design serves this need. Wheelchair is one of the most commonly used assistive devices for enhancing personal mobility and assists people with disabilities to become more productive members of their communities. But extant wheelchairs have limitations against architectural barriers. In most of the schools and institutes in India the lack of accessibility for wheelchair bound students restricts their basic education. Designing wheelchair for stairs climbing can be a solution for autonomy in mobility for wheelchair users. By negotiating stairs with a stairs climbing wheelchair, a huge number of buildings in India would be accessible to wheelchair users just like any other user. These will open doors for many opportunities like better education, job and better quality of life. It is an safe, user friendly and efficient stair climbing manual wheelchair.