## **Smart Wheelchair**

Adawi & Rjoub

## College of Engineering and Technology, Palestine Polytechnic University , Hebron, Palestine, nader\_adawi@yahoo.com

The smart wheel chair is an electrical chair design, designed for transporting of handicap in untraditional way; which make this person able to climb stairs in addition of moving along straight ways with the same mechanism. This smart chair use solar power as main source in addition to traditional electrical charger.

The whole design is controlled by microcontroller unit which used to drive the motors according to user control signals, this is done by special program.