

# Writing Sample A

## Abstract

When a person suffers an injury to the ankle, they have trouble with normal everyday tasks such as going from sitting to standing. The ankle is one of the most important joints of the human body, because we use it every day for mobility purposes. The ankle goes through many different levels of pressure from everyday use. The stability and strength of the ankle are important to its functionality. The ankle has the ability to move on the X, Y, and Z axes. This extended motion has a negative effect on the stability of the ankle. Also, due to the extended range of the ankle, it can take a long time for ankle injuries to heal completely.

The objective of our project is to assist a person with weak or minor ankle injuries from the sitting to standing position. The reason we picked the ankle is because it is weaker than most other joints.

This device needs to have the ability to make every day tasks easier for a person. Furthermore, this device should be comfortable, lightweight, and adjustable; these specifications will help the subjects in faster recovery and make the device more functional. Our device must be safe for our client and still be able to withstand stress of a high magnitude. Although we are thinking of designing a device for indoor use only, we must make our device weather resistant to take into account user error. Our other requirement is that we must make this device affordable.