

PROJECT REPORT

TEAM- 07

1.Problem statement: Height adjustable, foldable, lightweight walker that can be used on flat and uneven surfaces

2.Motivation: A large number of people have difficulty walking due to lower body strength, poor control over the muscles, etc. These people need support to walk. Walkers play a very important role here.

3.Objectives: Objectives of this project is as following:

- To learn the assembling of hardware parts of walker.
- To learn designing model of walker on free cad.
- To learn to modify a product(i.e, walker).

4. Work done:

We are four members in this group.

- Aniket Kumar Gupta.(20MI10007)
- Anoop Singh.(20MI31005)
- Ritik.(20MI10045)
- Vyde Siddhartha.(20MI10007)

We have done the following work:

1st week: Identification of problem, team composition, milestones, timelines and work sharing decided.

➤ Work sharing

- Aniket Kumar Gupta: designing walker on CAD.
- Vyde Siddhartha: Assembling of hardware parts(Walker).
- Ritik: Preparing presentation and assisting Aniket in software part.
- Anoop Singh: Presenting the presentations and helping Vyde Siddhartha in hardware part.

2nd week: Identification of components required and purchased the hardware parts. Started software part of project.

3rd week: Around 90% of software part was completed and started the assembling of hardware parts.

4th week: Completed both hardware assembling as well as software part successfully.

Finally we have completed our project successfully and made a video that will demonstrate our project.

5. Conclusions: The project is completed successfully. Even though we faced some problems but we were able to work as a team together. As a team we have to think for different ways to fix our problems. We continuously worked in different areas of this project and ensured that we would end up with the result that we have desired.

