

Hozhoni Foundation Button Maker

09/29/2016

Presentation 1, ME 476C

Team 26

Abdullah Alajmi – (project manager.)

Majid Alenezi – (secretary/ document)
manager.

Mutlaq Alajmi - (website developer.)

Faleh Alajmi –(budget liaison)

NORTHERN
ARIZONA
UNIVERSITY



Client's information

- Hozhoni foundation company
- It's a leading provider of services for people with disabilities
- Our client is Dr. Sarah Oman

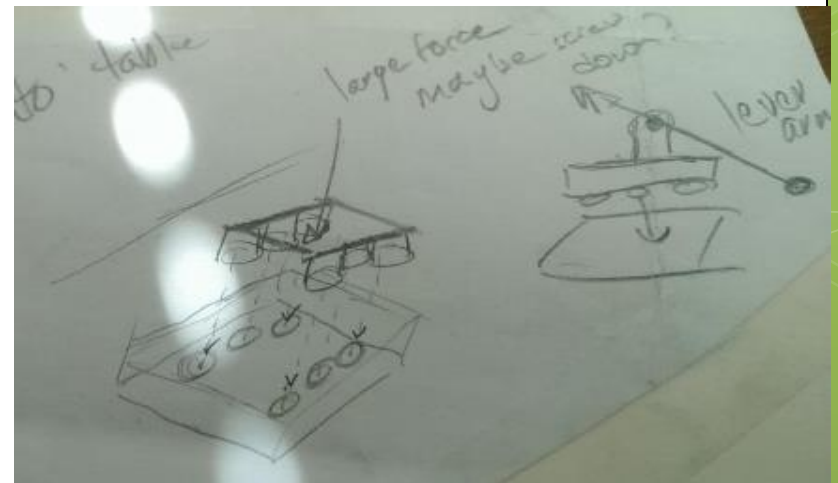


Project Description:

- The purpose of this device
- Why its important
- The uses of the device
- Cost

Background

- Garden device and button maker
- Last's year's capstone team
- researches and sketches



Benchmarking



Hozhoni Design



Last year's Design

Abdullah Alajmi

Customer Requirements:

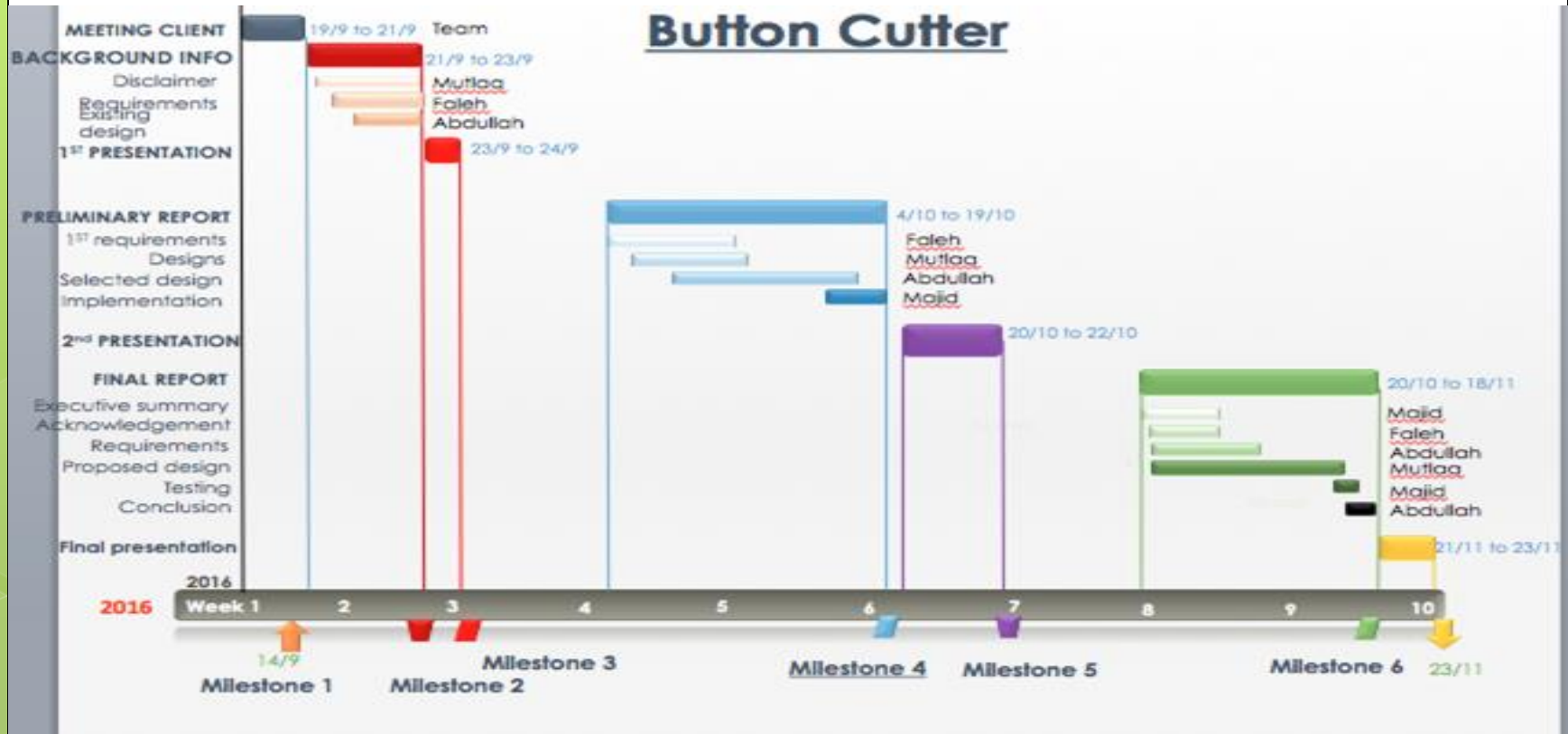
- smaller than last year's solution
- lighter than last year's solution
- cut out six circle patterns at once
- operational with only one hand/arm
- cut out patterns cleanly with no ripped edges
- guide to position the papers exactly and not let them move during cutting

Customer needs

| | Customer Requirement | WT | 5 | 4 | 3 | 2 | 1 | 0 |
|----------------------------|--|----|---|---|---|---|---|---|
| Modeling / Decision Making | smaller than last year's solution | | | 1 | | | | |
| | lighter than last year's solution | | | 1 | | | | |
| | cut out six circle patterns at once | | | 1 | | | | |
| | cut out patterns cleanly with no ripped edges | | 1 | | | | | |
| | operational with only one hand/arm | | | 1 | | | | |
| | guide to position the papers exactly and not let them move | | | 1 | | | | |
| | | | | | | | | |
| Power Systems | Safe | | 1 | | | | | |
| | | | | | | | | |
| Financial | | | | | | | | |
| | Low cost | | | | | | 1 | |

Schedule

Button Cutter



- Tentative Schedule for Fall Semester, pending schedule of course deliverables

- According to the Gantt Chart, the design team is currently on schedule

Faleh Alajmi

Budget

- Our budget for this project is \$1500.00, funded by Hozhoni foundation to improve the button making process by retrofitting the button maker and creating an improved cutting process

Assuming Cost:

- 10% will be this course about small prototype
- 80% building and testing the device
- 10% shipping

Any question?

- We welcome for your questions.

Faleh Alajmi
Abdullah Alajmi
Majid Alenezi
Mutlaq Alajmi