

# Hozhoni Foundation

## Button Maker

02/02/2017



Presentation 1, ME 486C

Team 26

Abdullah Alajmi – ( project manager. )

Majid Alenezi – ( secretary/ document ) manager.

Mutlaq Alajmi - (website developer. )

Faleh Alajmi –( budget liaison )

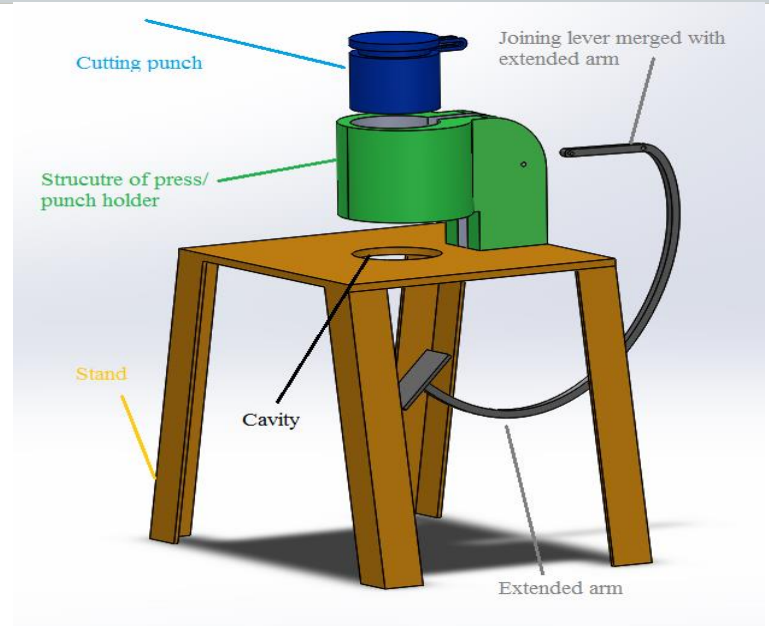
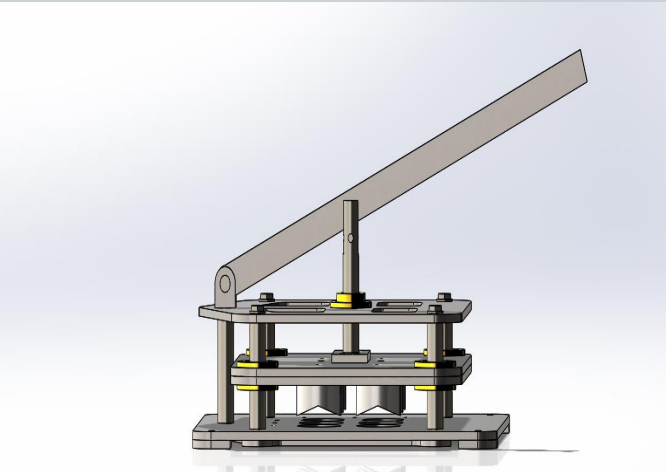
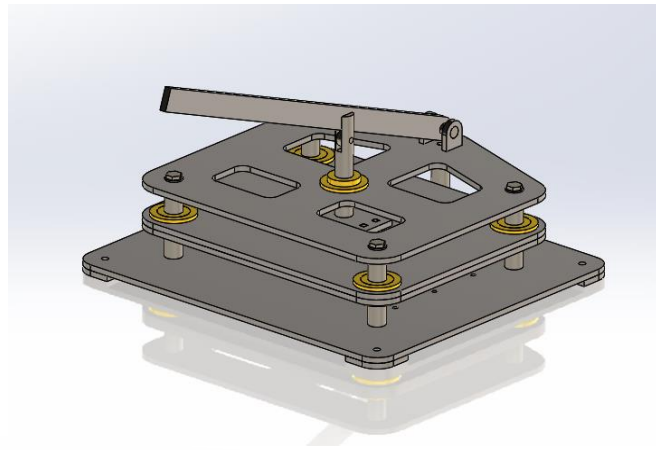
NORTHERN  
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UNIVERSITY



# Project Description

- Build a device that cut out circular patterns out of paper for creating pinback buttons.
- Cut out 6 circles.
- Guide to position the paper exactly and not let them move during cutting
- Cut out pattern cleanly with no ripped edges

# New design Vs. pervious design



Majid Alenezi

# Updates-New design

1- Base plate

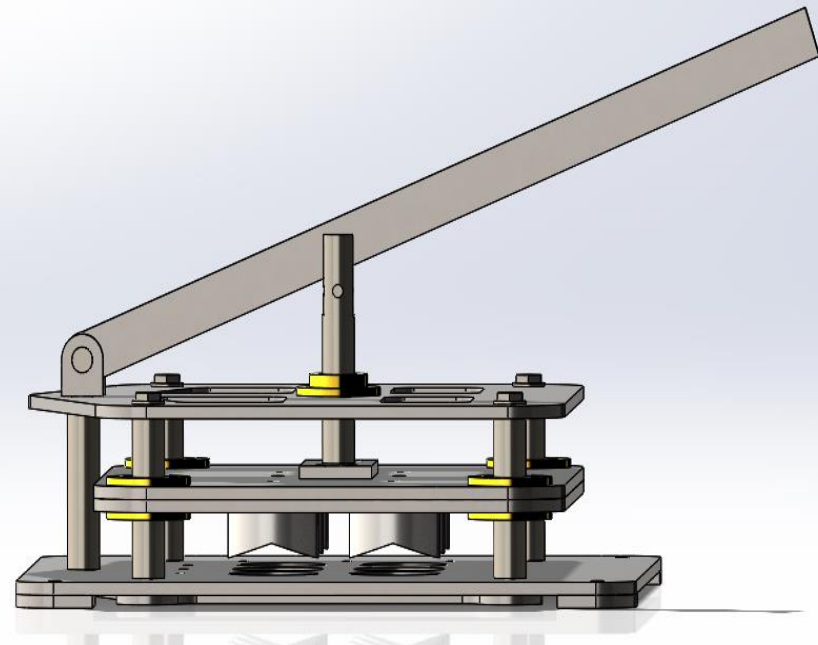
2- Press arm

3- Spring's

4- Cutter

5- Top plate

6- Holder for the cutter



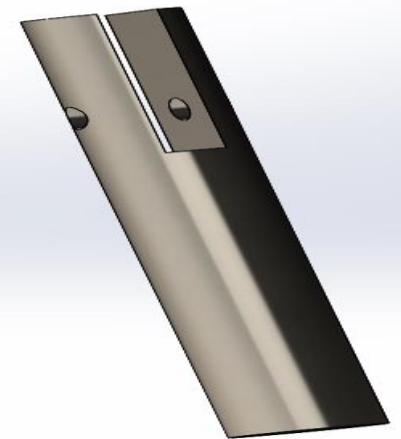
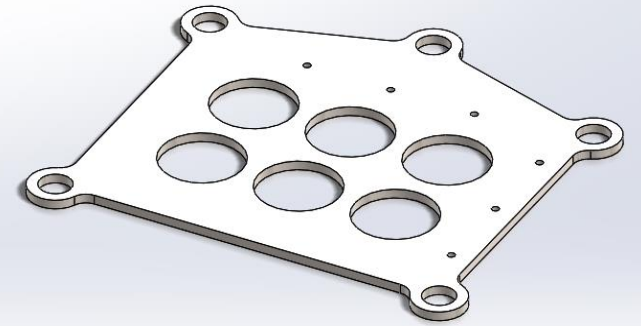
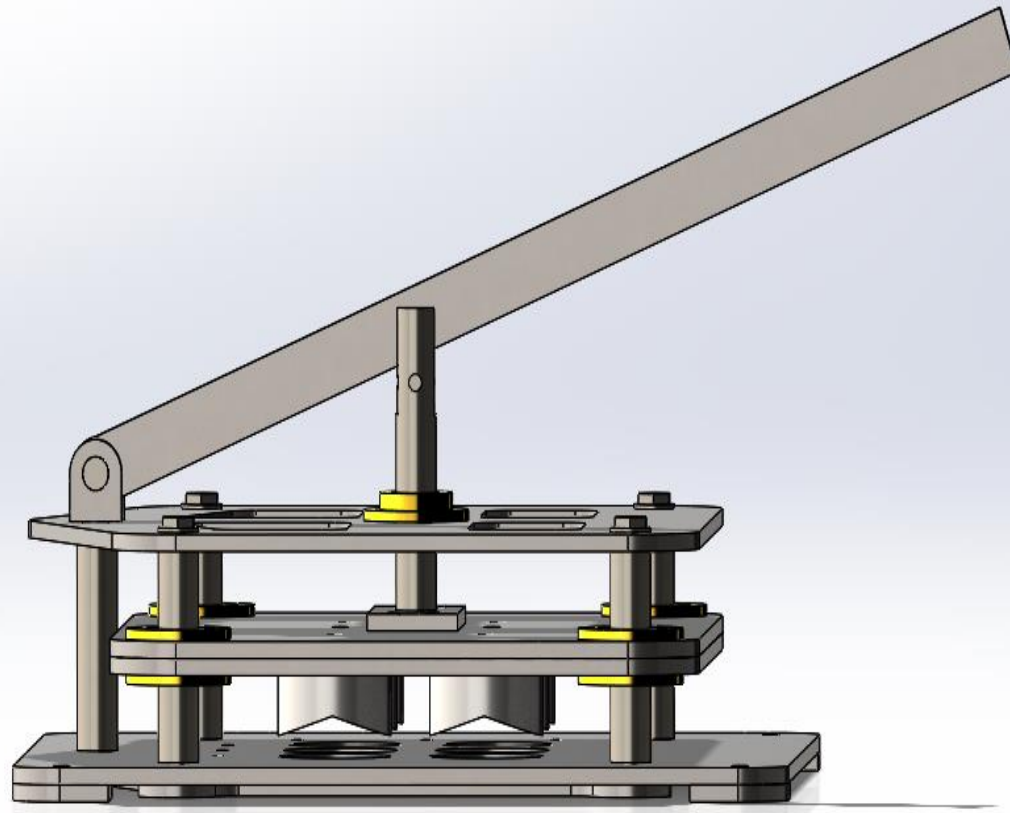
Mutlaq Alajmi

# What was done over the winter break

- Two meeting in Kuwait
- Workshop for brainstorming ideas
- Making plans to improve the project



# Manufacturing



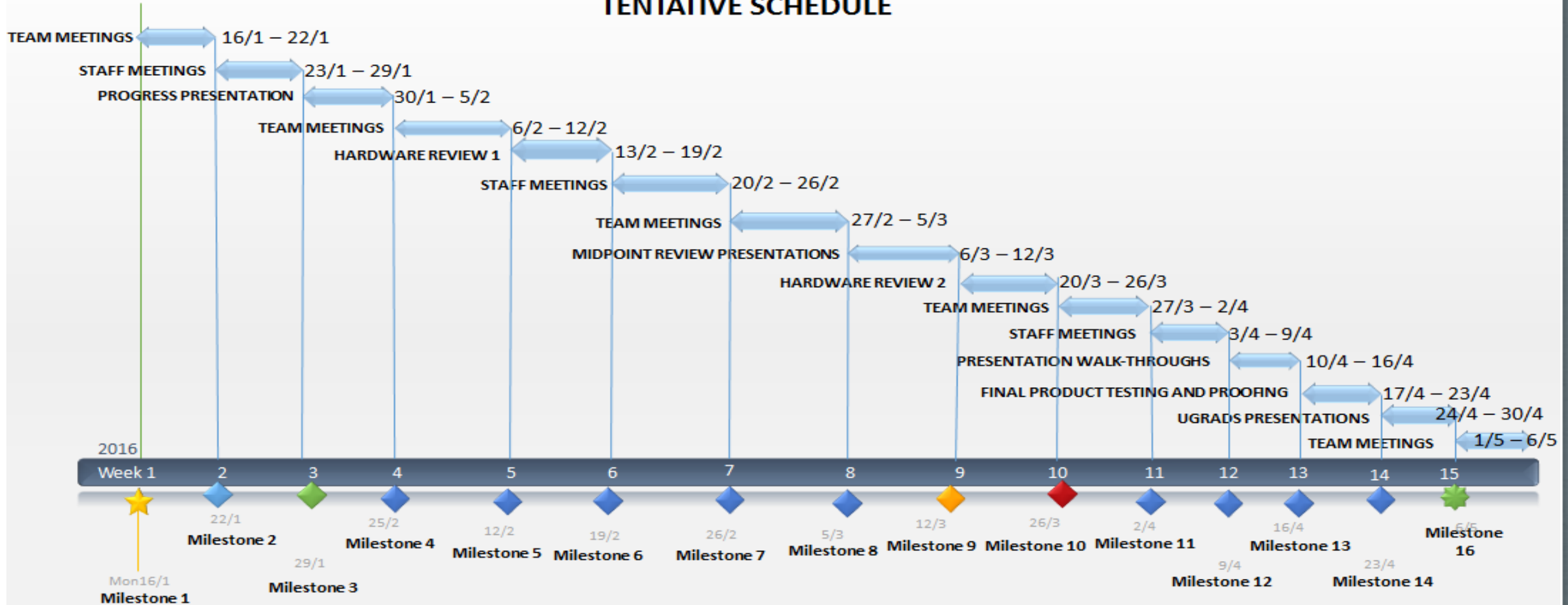
# Responsibility

- Majid- SolidWork
- Mutlaq- handle
- Abdullah- cutting
- Faleh- Materials



# Gantt Chart

## TENTATIVE SCHEDULE



According to Gantt Chart our team on Schedule



# Budget

Item Number	Item Name	Description	Material	Quantity	Total Cost
1	Base plate	It's a Die of punching Cutters and fixing of slide bars.	Black Steel	1	\$80
2	Top plate	To keep distance between slide bar's fixed and make joint of press arm and guide way.	Black Steel	1	\$70
3	Cutter Holder	To fixe punching Die's	Black Steel	1	\$90
4	Cutter	Treated to be more hard and grinded to accept sharpness for circumference of die	Certified Steel	6	\$450
5	Slide bar's	Bars of steel and coating by Hard chrome layer to increase life time and make very smooth surface for slider's	Hard Chrome Bar	6	\$230
6	Slider's	Hollow bar to slide on chrome bars	Brass	4	\$70
7	Press Arm	To use as hand of press	Black Steel	1	\$45
8	Press Axe	To transfer the force from arm to die holder	Steel	1	\$70
9	Spring's	To restore the die holder to initial position	Steel	4	\$20
	Total	\$ 990	reaming	\$ 510	

ANY  
QUESTIONS

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