

# Go Baby Go B



Team 32

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# Project Description:

- Help out children from birth until five years old
- Give children more self-confidence
- Impact children in the long run
- Cost-Effective
- Set up on platforms like a toy car



# Sponsorship and Importance:

- Sponsor: Mechanical Engineering Department
- Mentor/Client: Dr. Sarah Oman
- Create a feeling of independence and socialization
- Help with mobility
- Help the disabled children around the world live their life as “normal” children

# Background:

- Seatbelts
- Two speeds
- Reverse (limited)
- Go/Kill switch
- Portable
- Rechargeable battery pack
- Easily assemblable



# Benchmarking:

## Ride-On Cars:

- Car with steering wheel
- Car with joystick
- Different outer frames:

Frozen

Barbie

Cars

Racecar

Basic Car



# Design Requirements:

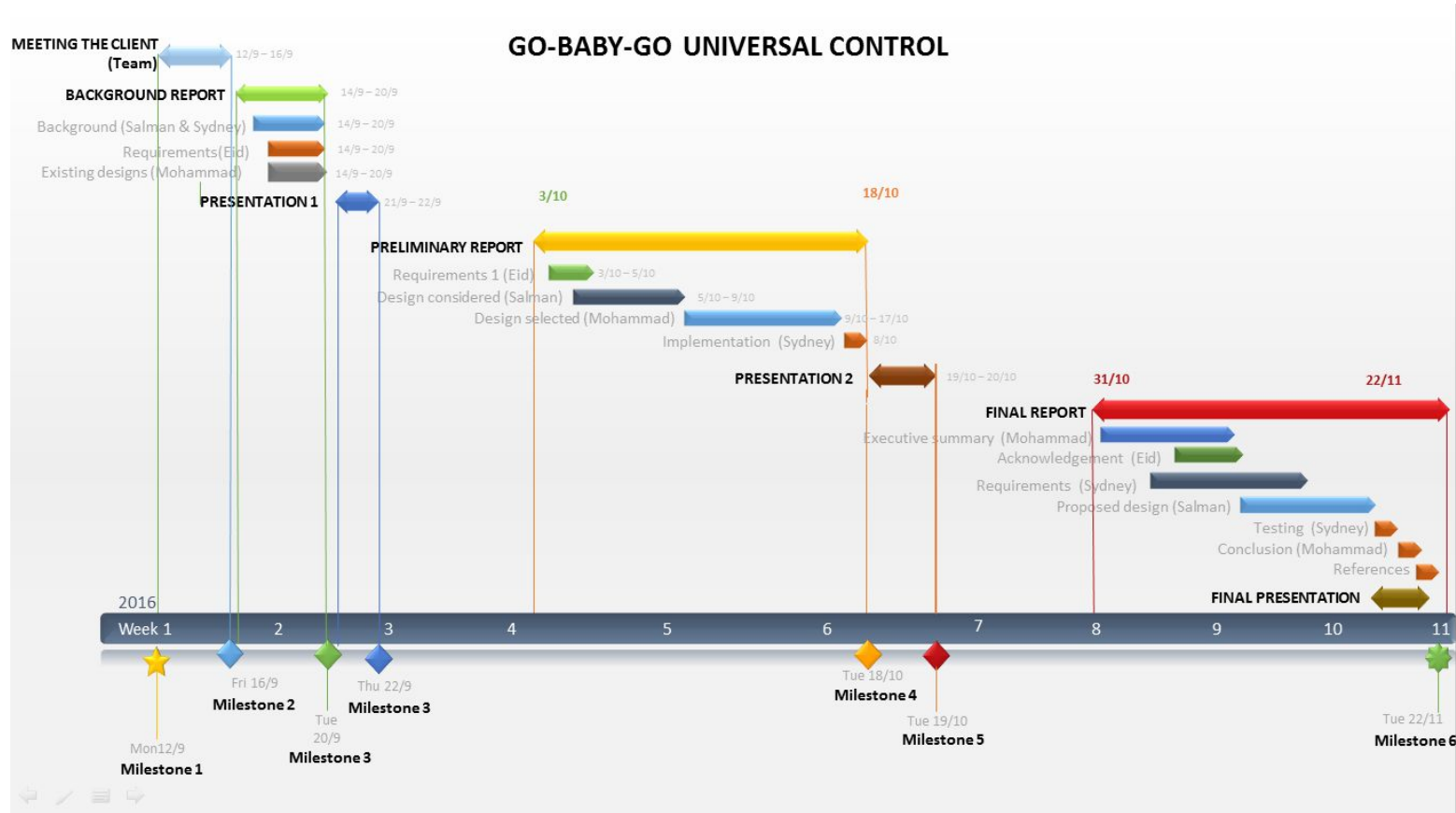
- No 6V Power
- Safe
- Easy manual instructions
- Parts are Easily obtainable
- Low cost
- Does not jerk them
- Not complicated to control



# Customer Requirements and Weightings:

-Easy Instruction Manual.....	5
-Easy to Build.....	5
-Safe Seat .....	5
-12V.....	4
-Progressive Speed Control.....	4
-Easy to Use.....	3
-Life Span.....	3
-Steering for Upper and Lower Body Limited Mobility.....	3
-Low Cost.....	3
-Delicate Appearance.....	2

# Schedule:





# Budget:

- Our project's budget is \$1500 funded by The Mechanical Engineering Department to create a device to help children with limited mobility

## Expected Costs:

- 10% of cost for creating the small prototype.
- 65% of cost for building and testing the device.
- 25% for advertisement and shipping.



# Questions and Comments

# References:

- [1] "Go Baby Go." N.p., n.d. Web. <http://www.whatdoyoudodear.com/go-baby-go-early-mobility-aint-no-joke/>.
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- [4] "News and Research Communications." *'Go Baby Go' Mobility Program for Children with Disabilities Expands to OSU*. N.p., n.d. Web. 28 Sept. 2016. <http://oregonstate.edu/ua/ncs/archives/2014/nov/%E2%80%98go-baby-go%E2%80%99-mobility-program-children-disabilities-expands-osu>.
- [5] "Ossining UFSD." *2016-2017 Budget*. N.p., n.d. Web. 28 Sept. 2016. <http://www.ossiningufsd.org/district/2016-2017-budget.html>.
- [6] University of Delaware. <http://sites.udel.edu/gobabygo/>.