

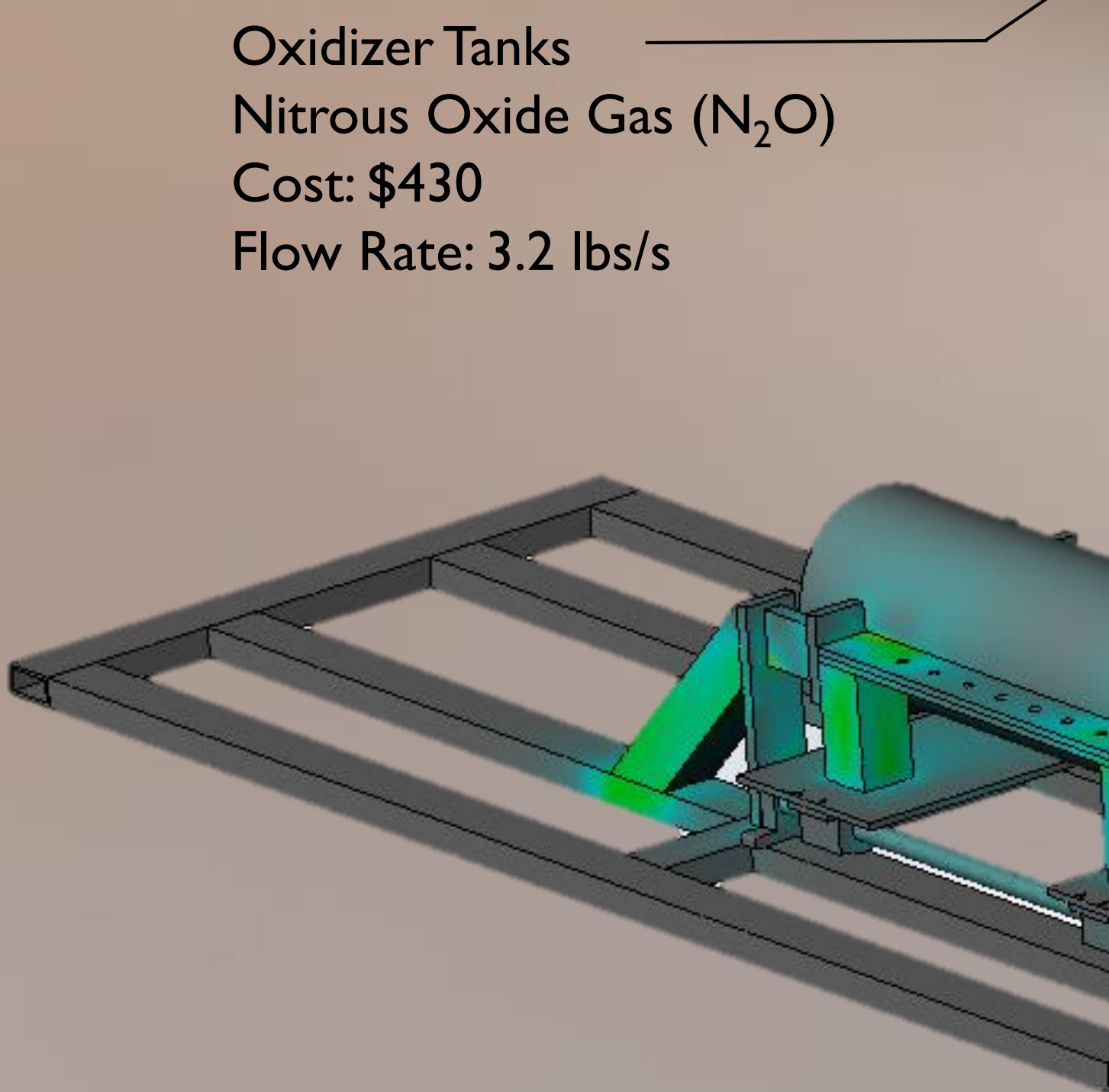
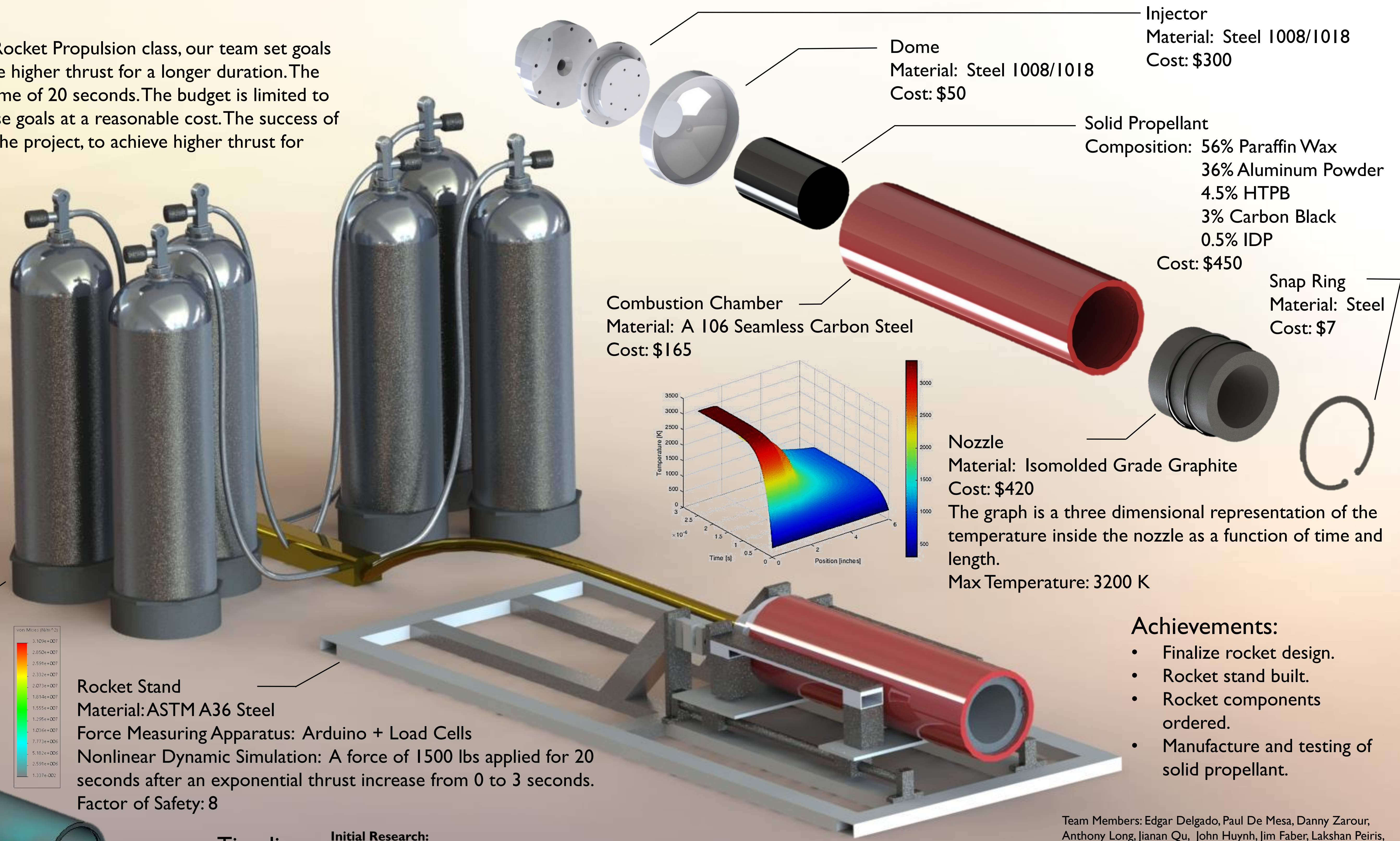
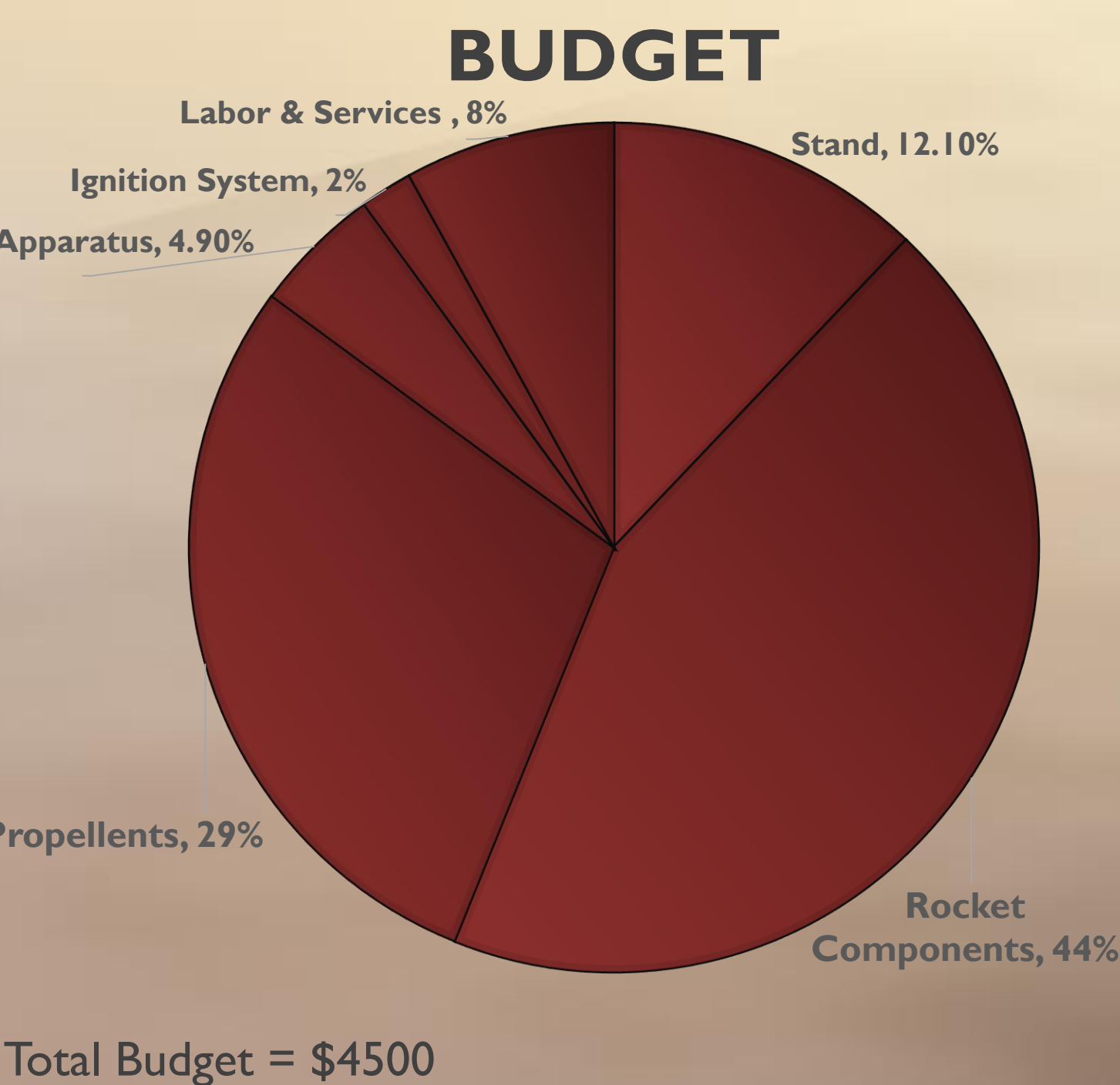
# Rocket Engine Development

Advisor: Professor Feng Liu

Team Leads: Lakshan Peiris, Wendy Liu, Vishnu Maharaj, Victor Chen, Paul De Mesa, Danny Zarour, Jolie Bellegarde

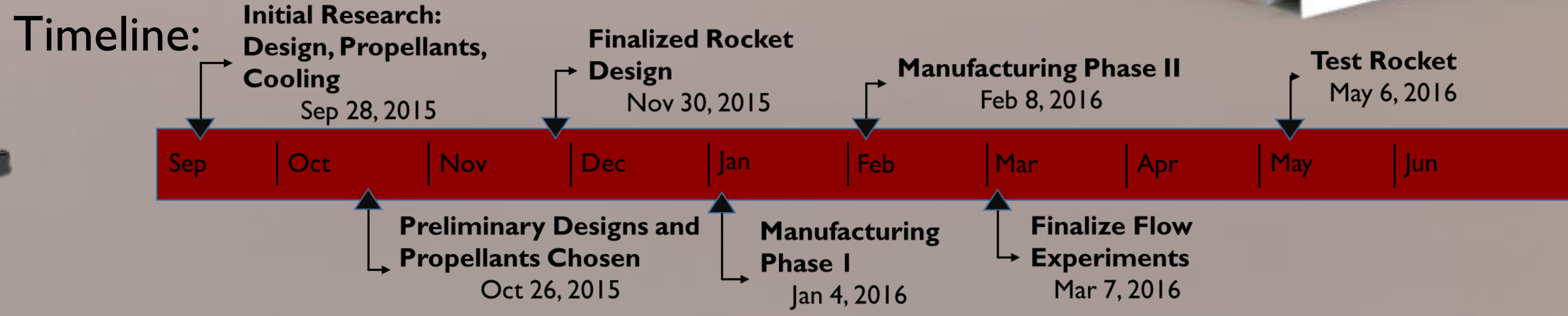
## Background & Goals:

Getting inspiration from Stanford's Advanced Rocket Propulsion class, our team set goals to build a hybrid rocket engine that can achieve higher thrust for a longer duration. The goal is to attain 1000 lbf of thrust for a burn time of 20 seconds. The budget is limited to \$4500 to assess the feasibility of achieving these goals at a reasonable cost. The success of this project will highlight future iterations for the project, to achieve higher thrust for longer burn times.



## Achievements:

- Finalize rocket design.
- Rocket stand built.
- Rocket components ordered.
- Manufacture and testing of solid propellant.



Team Members: Edgar Delgado, Paul De Mesa, Danny Zarour, Anthony Long, Jianan Qu, John Huynh, Jim Faber, Lakshan Peiris, Jolie Bellegarde, Bryan Orozco, Joshua Yang, Daniel Cho, Tiffany Quach, Jodie Loo, Wendy Liu, Alex LaVelle, Victor Chen, Vishnu Maharaj, Jason Moeller, Calvin Li, Itzetzl Frausto.

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