Gantt Chart

Project - Solar Powered Arc Jet Thruster Team 20

Sponsor - NASA

Advisors

Wei Guo

Petru Andrei

Kwan

Today ## - All Team Members Mechanical Electrical

Status

Activity

Webpage Design & Maintenance

Understand Project

Research MPDs and other Thrusters Ask Questions of Sponsor and Advisors Understand Project Scope

Ideation/Invention

Thruster Design

Product/Design Specs

Project Plans

Circuit Design

Product/Design Specs

Project Plans

Design

Mechanical Design

Material Research and Selection

Gas Valve Selection

Thruster Housing Design

Anode/Cathode Spacing/ Orientation

Nozzle Design

Vacuum chamber design

Electrical Design

Circuit Design

Magnet Design and Selection

Pulse Width Modulator

Solar Panel Integration

Measurement Device Selection

Pressure Gauge

Multimeters

Load Cell

Calipers

Fabrication Planning

Engineering Drawings

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9/28/2013	9/29/2013	9/30/2013	10/1/2013	10/2/2013	10/3/2013	10/4/2013	10/5/2013	10/6/2013	10/7/2013
	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon

Machine Shop Advice

Deliverables

Code of Conduct

Needs Assessment

Bi Weekly Report

Project Plans

Product Specs

Web Page Design

Initial

Final

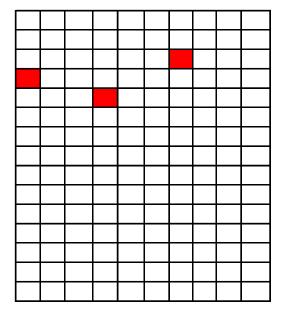
Mid term Presentation

Mid term Report

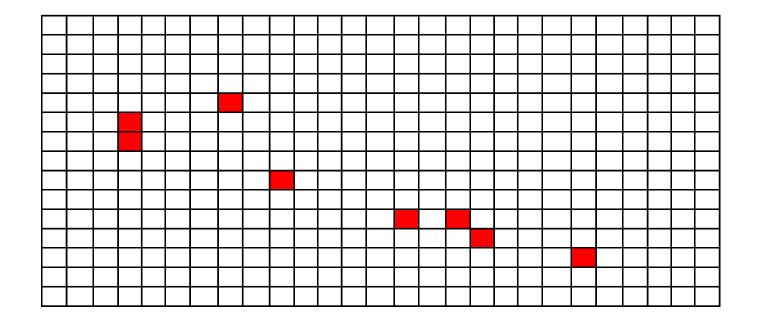
Peer Evaluations

Midterm Presentation II

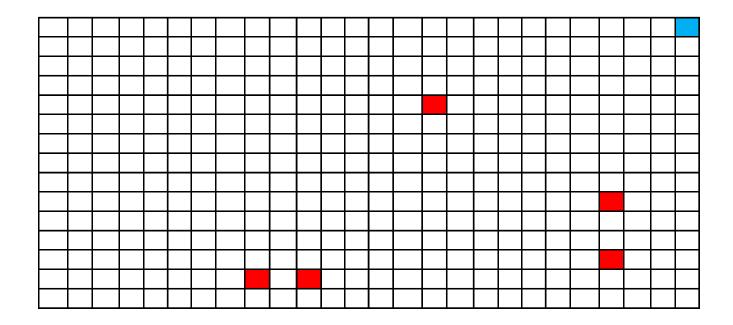
Final Report



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Sat	Sun	Mon	Tue	Wed	Thu	Fri			

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Advisors

Wei Guo

Petru Andrei

Kwan

- All Team Member Mechanical Electrical

Activity

Webpage Design & Maintenance

Electrical

Build Prototype Cicuit

Test Circuit

Design PCB Board

Magnet Implemtation

Mechanical

Send Drawings to Shop

Test Fit Parts

Order testing equipment

Design Test Apparatus

Ensure Vacuum Pump Operation

Mock up Experimental Setup

Develop Overall Test Plan

Test and Troubleshoot

Analyze / Collect Data

Prepare Final Report

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1/27 - 2/2 2/3 - 2/9 2/10 - 2/16 2/17 - 2/23 2/24 - 3/2

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3/3 - 3/9 3/10 - 3/16 3/17 - 3/23 3/24 - 3/30 3/31 - 4/6

4/7 - 4/13 4/14 - 4/20 4/21 - 4/27 4/28 - 5/2