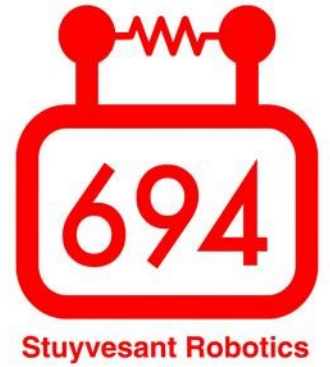


STUYPULSE 694 NEWSLETTER

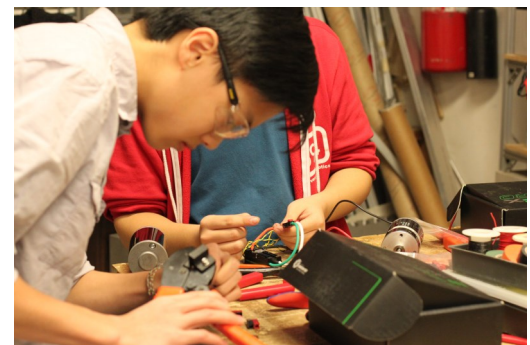
StuyPulse Team 694 - Stuyvesant High School's FIRST Robotics Team



MEETING RECAPS

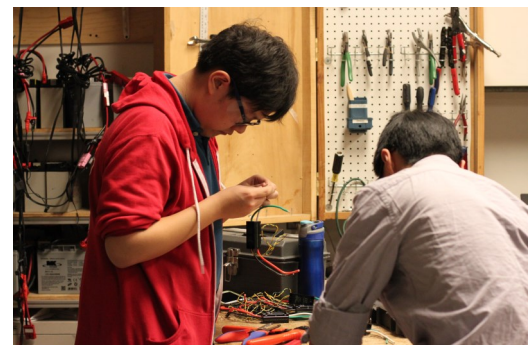
MARKETING

Marketing worked on many things this past week! We continued to develop a business plan to summarize our entrepreneurship, and continued to develop a branding guide to brand and represent our team properly. We also finalized our pit design, in which our pit will be made out of clear PVC pipes with red lights strung in between them in pursuit of making our team stand out during the competitions. Regarding competitions, marketing items were made and ordered early in order to maximize efficiency, and planning was done to make sure nothing goes wrong. The submission for the Chairman's Award was worked on, as it will give the judges and other teams an accurate representation of who we are as a team. Lastly, letters to nearby politicians were written and covers were made to inform them about how they can get involved in spreading STEM education across their local areas.



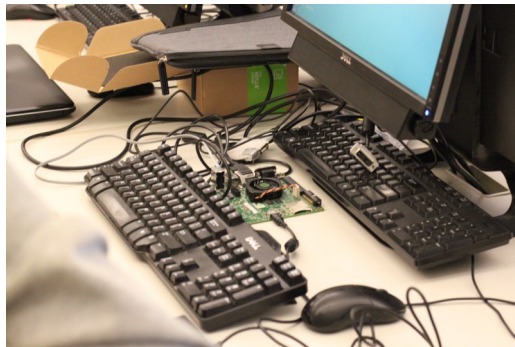
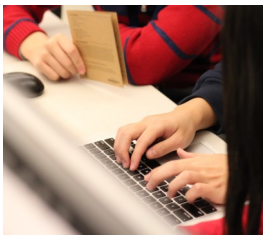
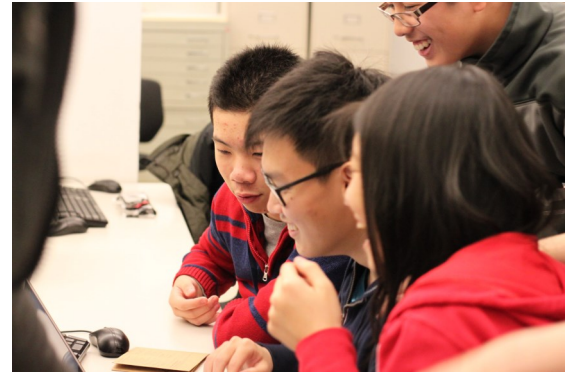
ENGINEERING

Engineering finished the CAD of the robot! They started working on milling the parts for the robot, and other parts of the robot were worked on, such as the wheels for the hopper and shooter. Old prototypes were taken apart, and electronic plates were cut out as well. The wheels and the chassis were worked on, and most of the defenses for field construction were finished. They plan to finish building the defenses by Monday. As well, the high goal for the field was completed.



SOFTWARE ENGINEERING

Software Engineering continued fixing the camera settings for optimal CV usage and took some sample images and videos. Issues were fixed with compiling CV programs on the Tegra, and they also made sure that the Tegra was recognizing the camera and retrieving input. As well, a frame-rate test on the Tegra was performed, and they started to figure out how to communicate between the Tegra and roboRIO. The build.xml script for Ant was fixed, and the VisionModuleNoGui was successfully built and tested. As for the robot code, temporary gamepad bindings were written for testing, and subsystems and commands for the drop down acquirer and the pneumatics for the hood were written. Java and OpenCV were installed on the roboRIO, a new development laptop was found, and the LED rings were tested.



UPCOMING DATES

Feb 6 - FTC Qualifier
Mar 11 - 13 - NYC Regionals
Mar 30 - Apr 2 - South Florida Regionals

ANNOUNCEMENTS

Military Care Packages Drive will be starting soon, so look out for that!

CONTACT INFORMATION



Stuyvesant Robotics

Stuyvesant High School
345 Chambers Street
New York, NY 10282

Check Us Out!

Email: info@stuypulse.com

Website: stuypulse.com

Facebook: [facebook.com/stuypulse](https://www.facebook.com/stuypulse)

Twitter: twitter.com/StuyPulseRobots

FIRST STRONGHOLD

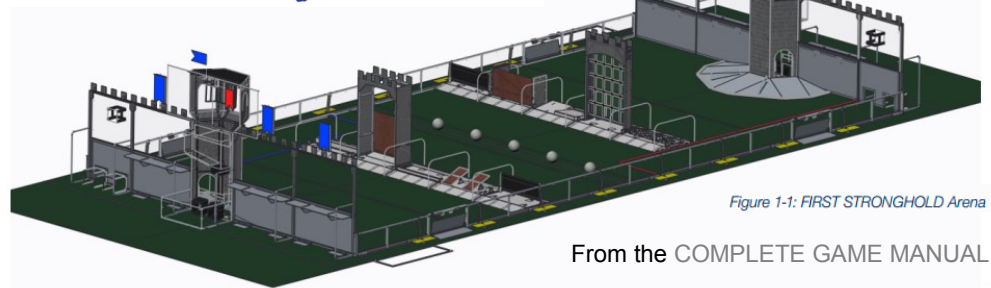


Figure 1-1: FIRST STRONGHOLD Arena

From the COMPLETE GAME MANUAL

ABOUT US

We are StuyPulse, Stuyvesant High School's award-winning FIRST Robotics team. Otherwise known as Team 694, we seek to impact young adults by cultivating skills in engineering, programming, marketing, teamwork, and leadership through the FIRST competitions. At the same time, we hope to educate and inspire people in our community, both young and old, about the wonders of science and technology.

To read more, visit: www.stuypulse.com