Bison Robotics April 9, 2017 Vol. 2, Issue 25

The Piqued Geek

Art by Eric Joyner

Upcoming Events:

NO CLASS : April 14-17

Bison Leader Award Nominations: due April 12 @7pm

Bison Leader Awards: April 28, 5-6:30pm

Dead Week: May 1-5th

Large Group Meeting:

Thursday, April 20 @7pm

STEM Room TBD

A final Spring Semester schedule is posted on the BR calendar page!

Weekly Watts Up:

ALERT: PROJECT LEADS WILL BE ELECTED AT THE NEXT OFFICER MEETING

If you would like to run, please email jessie.lee@ndsu.edu ASAP! Those running will need to have a speech/presentation prepared for the officers.

BISON ROBOTICS OFFICERS FOR 2017-2018

At the last Large Group Meeting for Bison Robotics, the members in attendance elected all the BR Officers for the academic year of 2017-18. Say hello to your new officers!

TAKE & SEND BISON ROBO PICS to emma.schreifels@ndsu.edu!

BR's STEAM Stream Spotify Playlist

Checkkkkk ittttt ouuuuuttttt. If you have any songs with either titles or lyrics related to something in Science, Technology, Engineering, Art, or Mathematics, and it is not currently on the playlist, email it to emma.schreifels@ndsu.edu! Gracias!

Check out... Twitter Facebook Instagram Vine BR Website Trello

Sun 4/9	Mon 4/10	Tues 4/11	Wed 4/12	Thurs 4/13	Fri 4/14	Sat 4/15
Newsletter!		Snowplow: 3pm, Auxiliary Enterprises ICCC: 8pm, Dolve 215 Bison Leader Award Nominations Due at 7pm	AGVR Electrical: 3, Mechatronics VGD: 6pm, QBB 106 NRMC Meeting: 7:30pm, Dolve 202 Officer Meeting: 6:30pm, CoE		NRMC Programming Palooza: Dolve 118, 5:30 - the end AGVR Electrical: 8am, Mechatronics NO SCHOOL BATTLE BOTS Competition	BATTLE BOTS Competition

If you have any questions, please contact Ryan Swanson at ryan.j.swanson@ndsu.edu! Thanks!

Project Updates

NRMC

Contact: Jacob.huesman@ndsu.edu

Progress is being made on both the Systems Engineering Paper and the Outreach Paper with both being due this Monday already. Project meetings for NRMC have now become weekly on Wednesdays at 7:30pm. The group wants to finish the drivetrain as soon as possible so that electrical can test.

Quadcopter

Contact: Tyler.blanchard@ndsu.edu

Quad has chosen to pursue the International Aerial Robotics Competition in August 2017 in Atlanta, Georgia. The group is currently looking for people with ROS experience! The Drone Racing League is also on the itinerary for the year. NEAT.

Snowplow

Contact: brady.goenner@ndsu.edu

Snowplow is working on further organizing and utilizing Github more for creating and assigning tasks. This week, the focuses are code architecture and looking into parts for improving the safety and management of the electrical system. Now is a good time to join the project! If you're interested contact Andrew Vetter at andrew.john.vetter@ndsu.edu.

Volunteering

Contact: jordyn.t.johnson@ndsu.edu

FRC VOLUNTEERING: Minneapolis was this past week and was a success!

SEND ALL LAST-MINUTE OUTSIDE VOLUNTEER HOURS TO JORDYN ASAP as she is totaling up our volunteer hours for the year!

We are currently sitting at around 5,200 volunteer hours

Game Development

Contact: Brandon.witt@ndsu.edu

The group has started working on a 2D game similar to Portal. Grad Computer Science student, Ruben, has also been helping out; check out the game he is currently working on! Meetings are every Wednesday at 6pm in QBB 106.

ICCC (Learn Code)

Contact: Joseph.cluett@ndsu.edu

All members will need to have CodeBlocks installed on their computers. Rad colored projects are being pumped out like nobody's business. Meetings are every Tuesday at 8pm in Dolve 215. To get updates, join the ICCC GroupMe by contacting Joe!

Miscellaneous/Other:

Any questions? Lost on where to begin or how to do something or even what there is to do? Check out the Bison Robotics Member Guide! This will be your best non-human friend; I promise you. If you have something that you think should be added to it, email emma.schreifels@ndsu.edu!

"The art and science of asking questions is the source of all knowledge."

- Thomas Berger

CHECK THIS OUT.

Battle Bots

Contact: Kevin.king@ndsu.edu

Battle Bots working hard to get the robot done before its COMPETITION THIS NEXT WEEKEND. Holes need to be drilled, assemblies need to be done, and wiring and soldering are at the top of the list. Check GroupMe for meeting times.

Ri3D

Contact: Tyler.Danielson@ndsu.edu

The 2017 GreenHorns team was composed of 28 college students, most of who were from Bison Robotics. If you would like to check out this year's FIRST Robotics Competition game, go HERE. The YouTube Channel for the GreenHorns is HERE.

AGVR

Contact: karl.klindworth.2@ndsu.edu

Seven of the eight motors are working. PCB validation is almost complete, and board revisions are under way. The potentiometers and encoders are all working and the robot is completely battery powered. GO TEAM! If you want to attend one of the meetings, contact Karl on GroupMe!