



Team Neutrino

Newsletter Issue #4

Machining and Assembly

This week, Team Neutrino worked on assembling the drivetrain and gearboxes for both of the robots. They also worked on machining parts for the intake and elevator.



Controls

Neutrinos got to wire a test board, put it on the practice bot, and began programming the drivetrain.

```
mechanism should be set to.
*/
public static double PIDControl(double target, double sensorPosition,
                                double minimumMotorPower, double pVal)
{
    double difference = sensorPosition - target;
    double motorPower = difference * pVal;

    if (motorPower < -1.0)
    {
        motorPower = -1.0;
    }
    else if (motorPower > 1.0)
    {
        motorPower = 1.0;
    }
}
```

Chairman's

On the non-technical side, the Chairman's essay was the focus of the week, and it was sent out to the team and alumni for review!



FLL Jr. Mentoring

We kicked off FLL Jr. teams in two more Ames schools this week. This spring, Team Neutrino students are mentoring nine FLL Jr. teams in four elementary schools!



IOWA STATE UNIVERSITY
College of Engineering



QUALITY
MANUFACTURING



JOHN DEERE



2018

Coming Next Week: Week 5 of build season: Quality parts and submitting Chairman's!

