December 9, 2022

FOCUS

building (Group 1): fixing arm

building (Group 2): fixing frame on chassis and creating platform

building (Group 3): planning out designs for battery

coding (Group 1): webcam opencv

coding (Group 2): Signal sleeves

business (Group 1): Engineering portfolio

SUMMARY

building (Group 1): we moved the motor onto the correct axle, reassembled the arm, then worked to attach the chain back on to the arm

building (Group 2): We added a bar for support for the motor that controls the arm. Also attached a mount for the middle dead wheel and the control/expansion hubs. We decided to stack the hubs!

building (Group 3): Planned out ideas for attaching the battery and control hubs to robot 13620. Idea to CAD a battery box

coding (Group 1): I fixed the error in the OpenCVBase code; however, it is having trouble pushing to robot controller. Later successfully configured the webcam

coding (Group 2): Sized signal sleeves to properly fit on the cones, inverted colors on screwdriver signal sleeve in order to optimize color sensor coverage

business (Group 1): We dedicated the whole session to creating content for the engineering portfolios.

CHALLENGES

building (Group 1): the chain was acting really weird

coding (Group 1): Webcam would not connect to the control hub

coding (Group 2): Printer wasn't working

business (Group 1): We're focusing focusing on content first and then working on design. Also, we didn't vlog...

NEXT STEPS

building (Group 1): add the axle collars onto the axles that the sprockets are attached to, mount arm onto chassis

building (Group 2): finish attaching mount to the chassis

coding (Group 1): Figure out the rest of the configuration

coding (Group 2): Test color sensor and webcam

business (Group 1): Continue working on the engineering portfolio. Along the way, look for trends or themes in the portfolio to pull out as a main message. Tomorrow someone has to vlog a lot!