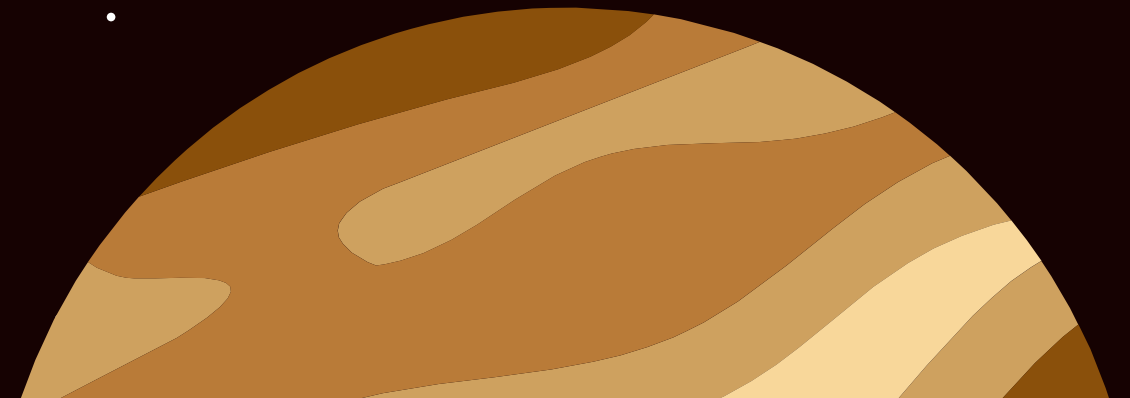
NASA Robotic Mining Competition

Milestone Five Progress Evaluation



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01
TASK ONE

ZED Camera Code Testing

ZED Camera Code Testing

- Connectivity issues with the Jetson
- Unable to test movement code

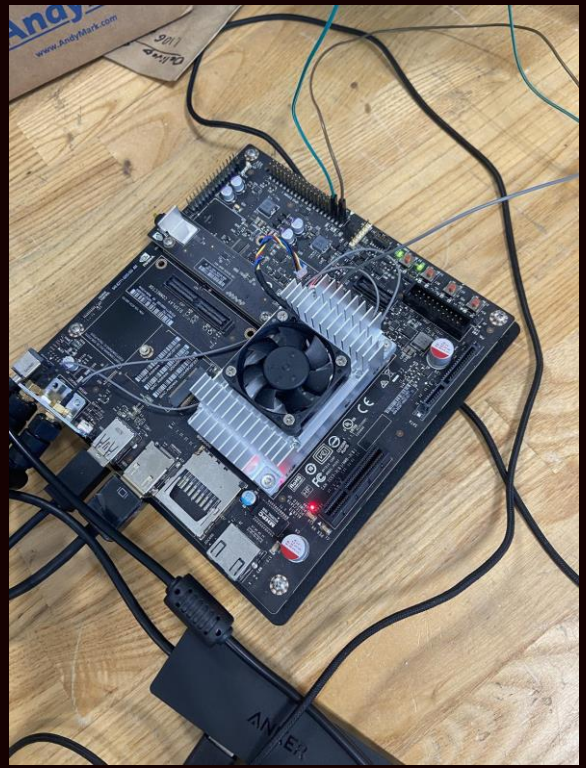
02
TASK TWO

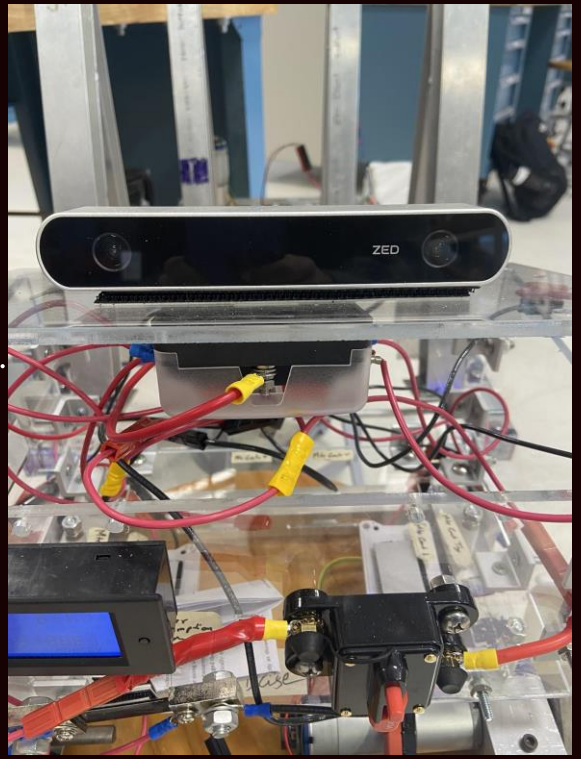
Using Camera with Physical Robot

Using Camera with Physical Robot

- Camera is attached to the front of the robot and supplied power through a battery on the side
- Implemented code via Raspberry Pi instead

Using Camera with Physical Robot





Plans for Next Milestone:

01 Make robot manually controllable

02 Take accurate measurements with camera

Milestone Six Task One

- Configure movement code
- Make xbox controller compatible with robot and code
- Make motors activiable through code

Milestone Six Task Two

- Movement code will rely on the ZED cameras calculations of object height, width, distance and depth
- It is critical that we ensure the camera is taking accurate measurements

THANKS!