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## **Informal Proposal**

My robot will be performing the task of balancing a ball on its large circular platform. The position of the ball will be determined with the use of a CMUcam. The platform will be tilted with servos that will be positioned on all four corners of the platform. All of this will be done while the robot is moving across a room while following a line. If I am able to complete all of these tasks before the end of the semester, I would also like to add more features. For example, follow the line until it reaches the end and wait for the ball to be removed by a person. Then follow the line back to the other end and wait for another ball to be placed on its platform. I could then name the robot "delivery boy". Below is a model of the robot that I will eventually make on the T-Tech. Note that the CMUcam is not shown but will be positioned on an arm above the platform.

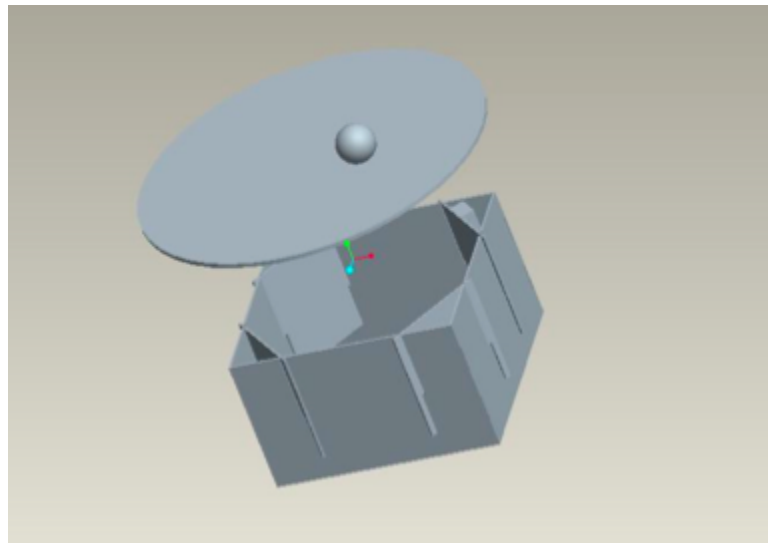


Figure 1