10/20/19

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We learned

* How to make the robot turn left or right by providing different power to the motors. We wrote a test program to make the robot go in a square in autonomous mode.
* How many points we can earn in autonomous period and divided each scoring category by developer, each developer is going to write a pseudo code (steps) to accomplish the task
* The importance of methods, so that we can invoke those steps multiple times without rewriting code, for ex. goFoward(), goReverse(), etc.
* We started to talk about how to program the robot by time, distance, and sensor inputs

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| # | Activity | Description | Points | Sensors Needed | Manouvering steps | Time | Owner |
| 1 | Repositioning | A Foundation In the corresponding Alliance Building Site at the end of the Autonomous Period and not in contact with a corresponding Alliance Robot will earn ten (10) points for their Alliance. | 10 |  |  |  | Sreeram |
| 2 | Delivery Skystone | Initial two Stones Delivered - If these are Skystones, the Alliance will earn ten (10) points each. If these are Stones, the Alliance will earn two (2) points each. Deliver Skystone x2 | 20 |  |  |  | Sargam |
| 3 | Delivery Stone | Delivery remaining 4 stones x2 points | 8 |  |  |  | Grace |
|  | Placing Stone | 4x 6 stones | 24 |  |  |  | Sameer |
|  | Navigating | Each Robot that is Parked over the tape separating the Loading Zone from the Building Zone and under their Alliance’s Skybridge at the end of the Autonomous Period will earn five (5) points for their Alliance. | 10 |  |  |  | Yash |
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|  |  |  |  |  |  |  |  |
|  |  | Total Points | 72 |  |  |  |  |

Sample PsuedoCode

|  |  |
| --- | --- |
| 1 | Go Forward for X distance |
| 2 | Turn Left |
| 3 | Look For Skystone |
| 4 | Lower Arm |
| 5 | Pinch Clamp |
| 6 | Raise Arm |
| 7 | Turn 180 degrees |