**Robo-Phantoms Meeting Minutes**

**Date:** October 8, 2023.

**Time:** 3:00 PM - 5:00 PM.

**Type of Meeting:** Online.

**Meeting Facilitator:** Mr. Srinath Madasu. (Coach 1)

**Attendees:**

1. Ajay Muthukumar.
2. Dhruv Shah.
3. Harsh Desai
4. Kavin Shankaran.
5. Kayan Patel.
6. Srilakshminath Madasu.
7. Subha Annamalai. (Coach 2)

**Agenda:**

1. Discuss Team Logos to Finalize for T-shirts.
2. Designing a Team Website.
3. Discuss FTC Sim to Design and Simulate Components.
4. Discuss Parts Ordered.
5. Trello Workspace for Task Management.
6. Present Research for Assigned Topic.
7. Tasks for the Upcoming Weeks.

**Discussions and Decisions:**

**1. Discuss Team Logos to Finalize for T-Shirts:**

The team needs to finalize one of the logo designs to display on team t-shirts as well as the team website.

**Decision(s):** Logo should be finalized by the team by next week.

**2. Designing a Team Website:**

The team needs to make a website to display when doing their outreach to help introduce team members, show how the team was able to do different things, etc.

**Decision(s):** Kavin and Dhruv will take the lead in designing the team website on Google sites or Word Press. (website design sites).

**3. Discuss FTC Sim to design and simulate components:**

The team should use FTC sim to simulate different events and look into different mechanisms.

Srilakshminath showed that there is a CenterStage template in FTC Sim. He also showed a short video showing FTC Sim in action and how it’s used.

**4. Discuss Parts Ordered:**

The coach discussed with the team that he had ordered the chassis and has also ordered the main playing field. The team will start to build those things next week.

**5. Trello workspace for Task Management:**

The coach briefly discussed registration for Trello. We will make a Trello workspace for the team to track task management. Coach will send out registration invites to join the workspace.

**6. Present Research for Assigned Topics:**

The team presented their research on their assigned topics.

Ajay presented his research on OpenCV and Vision Portal.

Dhruv presented his research on Drivetrains – Dhruv thinks Mecanum wheels are best to use for this challenge.

Harsh presented his research on Odometry.

Kavin presented his research on Intakes and Outtakes – Kavin thinks Compliant wheels or Surgical Tubing will be best intakes for pixels.

Kayan presented his research on Power Transmissions.

Srilakshminath presented his research on Arms and Transfers – Srilakshminath believes Flip up Transfer would be best.

**7. Tasks for the upcoming weeks:**

In the upcoming weeks, the team will begin building the chassis and assembling the playing field. They will also come up with a game strategy.

**8. Announcements:**

1. The coach announced that he ordered the chassis and the Playing field.
2. He also announced to make sure everything is uploaded to GitHub.

**9. Open issues:**

* The team needs to decide on a team logo to display on shirts and on the website.

**10. Action Items:**

* The team will individually come up with a strategy on how they want to play Centerstage. They can draw it out for Autonomous and TeleOp, and show the time it takes to do each task. The team will then discuss the strategies.

**11. Next Meeting Date:**

The next online meeting will be held online on October 14 at 5:00 PM.

**Minutes Prepared by :**

Dhruv Shah