**Robo-Phantoms Meeting Minutes**

**Date :** September 23, 2023.

**Time :** 5:00 PM - 6:00 PM.

**Type of Meeting :** Online.

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

**Attendees :**

1. Ajay Muthukumar.

2. Dhruv Shah.

3. Kavin Shankaran.

4. Kayan Patel.

5. SriLakshminath Madasu.

6. Subha Annamalai. ( Coach 2 )

**Agenda :**

1. Review of Logo design for the team Robo-Phantoms.

2. Review of Keychain Design.

3. Android studio Installation.

4. Signup and Download GIThub repository.

5. Discussion on the directory structure in GIThub for Robo-Phantoms.

6. Discussion on coding for Motors.

7. Tasks for the upcoming weeks.

**Discussions and Decisions :**

**1. Review of Logo Design for the team Robo- Phantoms :**

Harsh Desai, Dhruv Shah, Srilakshminath Madasu, Ajay Muthukumar, Kayan Patel, Kavin Shankaran shared their logos.

**Decision(s) :** Decision was made to fine tune their individual logos and upload in the Logos folder in the GIThub for now. The Final Logo will be chosen at a later time.

**2. Review of Keychain Design :**

Srilakshminath Madasu, Kayan Patel , Ajay Muthukumar, Harsh , Dhruv Shah shared their first draft of keychain design with their choice of Robo-phantoms logo on it.

Harsh mentioned that he had issues installing Autodesk Fusion 360. So he chose to use TinkerCAD.

Ajay Muthukumar mentioned that he had alignment issues with the logo on the keychain.

Not sure if Kavin created his keychain. I didn’t find it on slack. Need to ask him.

**Decision(s):** Decision was made to fine tune their individual keychain design, and upload in the Logos folder for now. The Final keychain design will be chosen at a later time.

**3. Review of Android studio Installation :**

The coach posted the Android Studio Installation guide on the Slack Channel, and demonstrated to the team on steps to install it on their computers.

**4. Signup and Download GIThub repository :**

The team was asked to create a GIThub account and download FtcRobotController Source code from <https://github.com/FIRST-Tech-Challenge/FtcRobotController> . This repository contains sample code for running the Motors.

**5. Discussion on the directory structure in GIThub for Robo-Phantoms :**

The coach briefed the team about the repository in GIThub (https://github.com/srinathmadasu76/FTC\_2023) which the team will use as a repository for code exchange and versioning. This will also be used for technical documentation, build designs and others that will be developed by the team pertaining to the CENTERSTAGE challenge.

**6. Discussion on coding for Motors :**

The coach outlined the file structures in Android studio to write a java code.

The team was asked to write the code to run the motors in the Android Studio and build it before the next meeting.

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

Game Analysis:

The team was asked to individually read the game manual and come up with game strategy. They were also asked to complete the game analysis document.

The team was also tasked with researching various mechanisms that will be involved in the Robot.

**8. Announcements :**

1. The coach announced that the Motors and Rev Robotics controller set has arrived.

**9. Open issues :**

1. Pending approvals on Autodesk Fusion 360 for annual usage.
2. Fine tuning of the logos and Keychain designs, and finalize the logo for the team.

**10. Action Items :**

1. Game Analysis - All Team members - Due on Sep 30, 2023.
2. Research and Present on

(a) Drive Trains - Dhruv Shah - Due on Oct 8, 2023.

(b) Power Transmission - Kayan Patel - Due on Oct 8, 2023.

(c) Odometry / Road runner - Harsh Desai - Due on Oct 8, 2023.

(d) Arms/ Transfer Mechanism - Srilakshminath Madasu - Due on Oct 8, 2023.

(e) Easy Open CV - Ajay Muthukumar - Due on October 8, 2023.

**11. Next Meeting Date :**

The next online meeting will be held online on September 30 at 5:00 PM.

**Minutes Prepared by :**

Mrs. Subha Annamalai.