Team

Minutes

for

[

Team 15

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Delete the instructions in black italics and replace them with your team’s information. Add new information after each meeting and save the document with the current date after the document name. This will create one long document that includes the minutes of all team meetings. You will have the old versions saved under document names with the previous dates in case they are needed.

|  |  |  |  |
| --- | --- | --- | --- |
| Team Members’ Names | | | |
| Ethan Kunze | | | |
| Sam Fuller | | | |
|  | Eugene Lee |  | |
|  | Thomas Fisher | |  |
| Name | | | |
| Name | | | |

# Meeting Agenda Template

|  |  |
| --- | --- |
| Meeting Date: 2/14 | Start Time: 3pm End Time: 4:30pm Summary of Meeting |
| 1. Attendance | Everyone was there for the meeting. |
| 2. Purpose of  Meeting | To set up git and start the project as a group. |
| 3. Discuss work completed since last meeting. | Since the last meeting we completed computer vision and communication aspect. Additionally, we completed the pi controller. |
| 4. Summarize work completed during meeting | We completed setting up git and then began coding during the meeting and testing. |
| 5. Review action items to be completed after meeting | After the meeting we had to complete the threading aspect as well as testing the code to make sure it works. |
| 6. Schedule next meeting | The next meeting is next Wednesday from 3:00pm to 4:30pm |
| 7. Recording secretary | Ethan Kunze took the minutes of the meeting, and we met at 3 pm on Wednesday and ended at 5 pm. |

# Meeting 1

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Meeting Date: 2/14 | Start Time: 3pm End Time: 4:30pm Summary of Meeting | | | | | |
| 1. Attendance | Ethan Kunze, Sam Fuller, | | | | Eugene Lee, Thomas Fisher |  |
| 2. Purpose of  Meeting | To get started on the project and set up git. | | | | | |
| 3. Discuss work completed since last meeting. | Ethan Kunze: Communication between pi and Arduino. | | | | | |
| Sam Fuller: Set up the PI controller. | | | | | |
|  | Thomas Fisher | | : Set up the computer vision code. | | |
|  | Eugene Lee | : Set up the PI controller. | | | |
| Team member: | | | | | |
| 4. Summarize work completed during meeting | Work completed during the meeting was starting the coding, and working on PI controller, as well as set up git. | | | | | |
| 5. Review action items to be completed after meeting | Ethan Kunze: Work on Threading code. | | | | | |
| Sam Fuller: Work on controller gain. | | | | | |
|  | Eugene Lee | : Debugging code and testing. | | | |
|  | Thomas Fisher | | : Work on the computer vision. | | |
| Team member: | | | | | |
| 6. Schedule next meeting | The next meeting is Wednesday 3 pm to 4:30 pm. | | | | | |
| 7. Recording secretary | Ethan Kunze | | | | | |

# Meeting 2

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Meeting Date: 2/29/24 | Start Time: 3 pm End Time: 5 pm Summary of Meeting | | | | | |
| 1. Attendance | Ethan Kunze, Sam Fuller, | | | | Eugene Lee, Thomas Fisher |  |
| 2. Purpose of  Meeting | To finish the mini project and debug. | | | | | |
| 3. Discuss work completed since last meeting. | Ethan Kunze: Worked on debugging the python code. | | | | | |
| Sam Fuller: Worked on debugging and setting up motors. | | | | | |
|  | Eugene Lee | : Debugging code and testing. | | | |
|  | Thomas Fisher | | : Work on the computer vision. | | |
| Team member: | | | | | |
| 4. Summarize work completed during meeting | The work completed during the meeting was debugging the code and testing the project. | | | | | |
| 5. Review action items to be completed after meeting | Ethan Kunze: Work on documenting the code. | | | | | |
| Sam Fuller: Work on documenting the code. | | | | | |
|  | Eugene Lee | : Work on documenting the code. | | | |
|  | Thomas Fisher | | : Work on documenting the code. | | |
|  | Team member: | | | | | |
| 6. Schedule next meeting | The next meeting is Wednesday 3 pm to 4:30 pm. | | | | | |
| 7. Recording secretary | Thomas Fisher | | | | | |

# Meeting 3

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Meeting Date: 3/6/2024 | Start Time: 3pm End Time: 5 pm Summary of Meeting | | | | | |
| 1. Attendance | Ethan Kunze, Sam Fuller, | | | | Eugene Lee, Thomas Fisher |  |
| 2. Purpose of  Meeting | To start working on demo 1. | | | | | |
| 3. Discuss work completed since last meeting. | Ethan Kunze: Started working on demo 1. Detecting angle of aruco marker. | | | | | |
| Sam Fuller: Worked on Arduino code and getting robot to drive forward. | | | | | |
|  | Eugene Lee | : Worked on Arduino code and getting robot to rd. | | | |
| drive forwa |
|  | Thomas Fisher | | : Started working on demo 1. Camera | | |
| calibration. | |
| Team member: | | | | | |
| 4. Summarize work completed during meeting | Began working on demo 1. Started the camera calibration. Was able to get robot to drive a little. | | | | | |
| 5. Review action items to be completed after meeting | Ethan Kunze: Finish code for angle detection. | | | | | |
| Sam Fuller: Finish Arduino code to get robot to drive forward. | | | | | |
|  | Eugene Lee | : Finish Arduino code to get robot to drive forward. | | | |
|  | Thomas Fisher | | : Get camera fov from calibration. | | |
| Team member: | | | | | |
| 6. Schedule next meeting | Next Wednesday after class. | | | | | |
| 7. Recording secretary | Ethan Kunze | | | | | |

# Meeting 4

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| --- | --- | --- | --- | --- | --- | --- |
| Meeting Date: 3/8/2024 | Start Time: 2 End Time: 3  Summary of Meeting | | | | | |
| 1. Attendance | Ethan Kunze, Sam Fuller, | | | | Eugene Lee, Thomas Fisher |  |
| 2. Purpose of  Meeting | To finish working on demo 1. | | | | | |
| 3. Discuss work completed since last meeting. | Ethan Kunze: finished working on demo 1. Detecting angle of aruco marker. | | | | | |
| Sam Fuller: Worked on Arduino code and getting robot to drive forward. | | | | | |
|  | Eugene Lee | : Worked on Arduino code and getting robot to rd. | | | |
| drive forwa |
|  | Thomas Fisher | | : Finished working on demo 1. Camera | | |
| calibration. | |
| Team member: | | | | | |
| 4. Summarize work completed during meeting | Finished working on demo 1. Started the camera calibration. Was able to get robot to drive a little. | | | | | |
| 5. Review action items to be completed after meeting | Ethan Kunze: Finish code for angle detection. | | | | | |
| Sam Fuller: Finish Arduino code to get robot to drive forward. | | | | | |
|  | Eugene Lee | : Finish Arduino code to get robot to drive forward. | | | |
|  | Thomas Fisher | | : Get camera fov from calibration. | | |
| Team member: | | | | | |
| 6. Schedule next meeting | Next Wednesday after class. | | | | | |
| 7. Recording secretary | Ethan Kunze | | | | | |

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# Meeting 5

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Meeting Date: 3/27/2024 | Start Time: 2 End Time: 4  Summary of Meeting | | | | | |
| 1. Attendance | Ethan Kunze, Sam Fuller, | | | | Eugene Lee, Thomas Fisher |  |
| 2. Purpose of  Meeting | Start working on Demo 2. | | | | | |
| 3. Discuss work completed since last meeting. | Ethan Kunze: Begin working on I2C. | | | | | |
| Sam Fuller: Worked on Arduino code and getting robot to drive forward after spinning. | | | | | |
|  | Eugene Lee | : Worked on Arduino code and getting robot to go i a circle. | | | |
| in |
|  | Thomas Fisher | | : Modify camera code. | | |
|  | |
| Team member: | | | | | |
| 4. Summarize work completed during meeting | Began working on demo 2. Was able to integrate the robot. | | | | | |
| 5. Review action items to be completed after meeting | Ethan Kunze: Finish code for I2C. | | | | | |
| Sam Fuller: Finish Arduino code to get robot to drive forward. | | | | | |
|  | Eugene Lee | : Finish Arduino code to get robot to drive in a circle. | | | |
|  | Thomas Fisher | | : Finish slight modifications to Python code. | | |
| Team member: | | | | | |
| 6. Schedule next meeting | Next Wednesday after class. | | | | | |
| 7. Recording secretary | Ethan Kunze | | | | | |

# Meeting 6

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Meeting Date: 4/3/2024 | Start Time: 2 End Time: 4  Summary of Meeting | | | | | |
| 1. Attendance | Ethan Kunze, Sam Fuller, | | | | Eugene Lee, Thomas Fisher |  |
| 2. Purpose of  Meeting | Finishing work on Demo 2. | | | | | |
| 3. Discuss work completed since last meeting. | Ethan Kunze: Finished working on I2C. | | | | | |
| Sam Fuller: Finished Arduino straight code. | | | | | |
|  | Eugene Lee | : Finished circular Arduino code. | | | |
| in |
|  | Thomas Fisher | | : Finished camera modifications. | | |
|  | |
| Team member: | | | | | |
| 4. Summarize work completed during meeting | Began to finish demo 2. Started the camera calibration. Was able to integrate the robot. | | | | | |
| 5. Review action items to be completed after meeting | Ethan Kunze: Tweak parameters for I2C in Python. | | | | | |
| Sam Fuller: Adjust Arduino code. | | | | | |
|  | Eugene Lee | :Adjust Arduino code. | | | |
|  | Thomas Fisher | | : Adjust Camera Python code. | | |
| Team member: | | | | | |
| 6. Schedule next meeting | Next Wednesday after class. | | | | | |
| 7. Recording secretary | Thomas Fisher | | | | | |

# Meeting 7

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Meeting Date: 4/12/2024 | Start Time: 2 End Time: 4  Summary of Meeting | | | | | |
| 1. Attendance | Ethan Kunze, Sam Fuller, | | | | Eugene Lee, Thomas Fisher |  |
| 2. Purpose of  Meeting | Begin work on final demo. | | | | | |
| 3. Discuss work completed since last meeting. | Ethan Kunze: Start working on I2C. | | | | | |
| Sam Fuller: Work on Arduino straight code. | | | | | |
|  | Eugene Lee | : Work on circular Arduino code. | | | |
|  |
|  | Thomas Fisher | | : Worked on camera modifications. | | |
|  | |
| Team member: | | | | | |
| 4. Summarize work completed during meeting | Began to finish demo 2. Started the camera calibration. Was able to integrate the robot. | | | | | |
| 5. Review action items to be completed after meeting | Ethan Kunze: Tweak parameters for I2C in Python. | | | | | |
| Sam Fuller: Adjust Arduino code. | | | | | |
|  | Eugene Lee | :Adjust Arduino code. | | | |
|  | Thomas Fisher | | : Adjust Camera Python code. | | |
| Team member: | | | | | |
| 6. Schedule next meeting | Next Wednesday after class. | | | | | |
| 7. Recording secretary | Thomas Fisher | | | | | |

# Meeting 7

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Meeting Date: 4/19/2024 | Start Time: 2 End Time: 4  Summary of Meeting | | | | | |
| 1. Attendance | Ethan Kunze, Sam Fuller, | | | | Eugene Lee, Thomas Fisher |  |
| 2. Purpose of  Meeting | Start debugging code. | | | | | |
| 3. Discuss work completed since last meeting. | Ethan Kunze: Finished working on I2C. | | | | | |
| Sam Fuller: Finished Arduino straight code. | | | | | |
|  | Eugene Lee | : Finished circular Arduino code. | | | |
| in |
|  | Thomas Fisher | | : Finished camera modifications. | | |
|  | |
| Team member: | | | | | |
| 4. Summarize work completed during meeting | Began to finish final demo. Started the camera calibration. Was able to integrate the robot. | | | | | |
| 5. Review action items to be completed after meeting | Ethan Kunze: Tweak parameters for I2C in Python. | | | | | |
| Sam Fuller: Adjust Arduino code. | | | | | |
|  | Eugene Lee | :Adjust Arduino code. | | | |
|  | Thomas Fisher | | : Adjust Camera Python code. | | |
| Team member: | | | | | |
| 6. Schedule next meeting | Next Wednesday after class. | | | | | |
| 7. Recording secretary | Thomas Fisher | | | | | |

# Meeting 8

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Meeting Date: 4/22/2024 | Start Time: 2 End Time: 4  Summary of Meeting | | | | | |
| 1. Attendance | Ethan Kunze, Sam Fuller, | | | | Eugene Lee, Thomas Fisher |  |
| 2. Purpose of  Meeting | Finishing work on final demo. | | | | | |
| 3. Discuss work completed since last meeting. | Ethan Kunze: Finished working on I2C. | | | | | |
| Sam Fuller: Finished Arduino straight code. | | | | | |
|  | Eugene Lee | : Finished circular Arduino code. | | | |
| in |
|  | Thomas Fisher | | : Finished camera modifications. | | |
|  | |
| Team member: | | | | | |
| 4. Summarize work completed during meeting | Began to debug the code. | | | | | |
| 5. Review action items to be completed after meeting | Ethan Kunze: Tweak parameters for I2C in Python. | | | | | |
| Sam Fuller: Adjust Arduino code. | | | | | |
|  | Eugene Lee | :Adjust Arduino code. | | | |
|  | Thomas Fisher | | : Adjust Camera Python code. | | |
| Team member: | | | | | |
| 6. Schedule next meeting | Next Wednesday after class. | | | | | |
| 7. Recording secretary | Thomas Fisher | | | | | |

# Meeting 6

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Meeting Date: 4/26/2024 | Start Time: 2 End Time: 4  Summary of Meeting | | | | | |
| 1. Attendance | Ethan Kunze, Sam Fuller, | | | | Eugene Lee, Thomas Fisher |  |
| 2. Purpose of  Meeting | Finishing work on final demo. | | | | | |
| 3. Discuss work completed since last meeting. | Ethan Kunze: Finished working on I2C. | | | | | |
| Sam Fuller: Finished Arduino straight code. | | | | | |
|  | Eugene Lee | : Finished circular Arduino code. | | | |
| in |
|  | Thomas Fisher | | : Finished camera modifications. | | |
|  | |
| Team member: | | | | | |
| 4. Summarize work completed during meeting | Finished final demo. | | | | | |
| 5. Review action items to be completed after meeting | Ethan Kunze: Work on presentation. | | | | | |
| Sam Fuller: Work on presentation. | | | | | |
|  | Eugene Lee | : Work on presentation. | | | |
|  | Thomas Fisher | | : Work on presentation. | | |
| Team member: | | | | | |
| 6. Schedule next meeting | Next Wednesday after class. | | | | | |
| 7. Recording secretary | Thomas Fisher | | | | | |