**Group Name: psychic-octo-waffle**

**Meeting on 4/5/21, 14:00**

Location: MTRX Lab

Duration: 3 hours

**Attendees**:

Everyone

**Apologies:**

**Minutes:**

Made new repo

Added group members as collaborators

Cloned repo to Local

General idea/plan:

Improve life quality for a blind person

Lidar sensor to detect obstacles, output feedback through speaker for demonstration

Accelerometers for detecting falls, call emergency contact if person has fallen (cancel button included if fall is not serious)

Extension:

Facial recognition algorithm for detecting familiar faces

GPS for directions/road detection etc.

**Action Items**

|  |  |  |
| --- | --- | --- |
| **Action** | **Person to do** | **Deadline** |
| Output interface | Jay, Hilton | 11/5/21 |
| Accelerometer/motion detection | Hrithik | 11/5/21 |
| Interface Lidar | Snow | 11/5/21 |

**Group Name: psychic-octo-waffle**

**Meeting on 11/5/21, 14:00**

Location: MTRX Lab

Duration: 3 hours

**Attendees**:

Everyone

**Apologies:**

**Minutes:**

Continue Lidar, speaker and accelerometer modules

Plan microcontroller to PC serial interface for using PC speakers

**Action Items**

|  |  |  |
| --- | --- | --- |
| **Action** | **Person to do** | **Deadline** |
| Continue output interface | Jay, Hilton | 18/5/21 |
| Continue accelerometer/motion detection | Hrithik | 18/5/21 |
| Continue interface Lidar | Snow | 18/5/21 |

**Group Name: psychic-octo-waffle**

**Meeting on 18/5/21, 14:00**

Location: MTRX Lab

Duration: 3 hours

**Attendees**:

Everyone

**Apologies:**

**Minutes:**

Continue Lidar, speaker, accelerometer and PC serial interface modules

Plan gyro module

**Action Items**

|  |  |  |
| --- | --- | --- |
| **Action** | **Person to do** | **Deadline** |
| Continue output interface | Jay, Hilton | 25/5/21 |
| Continue accelerometer/motion detection  Begin gyro module | Hrithik | 25/5/21 |
| Continue interface Lidar  Begin PC serial interface | Snow | 25/5/21 |

**Group Name: psychic-octo-waffle**

**Meeting on 25/5/21, 14:00**

Location: MTRX Lab

Duration: 3 hours

**Attendees**:

Everyone

**Apologies:**

**Minutes:**

Integrate Lidar, speaker, accelerometer and PC serial interface modules

Integrate accelerometer/stabilization and servo modules

Continue gyro module

Plan servo module

**Action Items**

|  |  |  |
| --- | --- | --- |
| **Action** | **Person to do** | **Deadline** |
| Continue output interface | Jay, Hilton | 1/6/21 |
| Integrate accelerometer/ stabilization and servo modules  Begin gyro module | Hrithik | 1/6/21 |
| Integrate Lidar, speaker, accelerometer  Continue PC serial interface | Snow | 1/6/21 |

**Group Name: psychic-octo-waffle**

**Meeting on 30/5/21, 14:00**

Location: Fisher

Duration: 1 hours

**Attendees**:

Everyone

**Apologies:**

**Minutes:**

Integrate Lidar, speaker, accelerometer and PC serial interface modules

Integrate accelerometer/stabilization and servo modules

**Action Items**

|  |  |  |
| --- | --- | --- |
| **Action** | **Person to do** | **Deadline** |
| Continue output interface | Jay, Hilton | 1/6/21 |
| Integrate accelerometer/ stabilization and servo modules | Hrithik | 1/6/21 |
| Integrate Lidar, speaker, accelerometer and PC serial interface modules | Snow | 1/6/21 |