

Project Part 2 (outdoor Simulation)

The folder `outdoor_sim` contains all the files required to run the simulation on the outdoor simulation designed for this assignment. The launch file stored in `outdoor_sim/launch` contains the python code required to run the simulation. However, it currently does not use any controllers. In order to run the world simulation, one must clone the package from github using

```
cd ros2ws/src
```

```
git clone https://github.com/pbhattacharjee-repo/outdoor_sim
```

Then, coming back to the `ros2ws` directory, the following commands must be run to launch the simulation in webots:

```
colcon build
```

```
source install/local_setup.bash
```

```
ros2 launch outdoor_sim launch.py
```

This would launch the simulation in webots. The lighting of the simulation can be changed by going to `TexturedBackgroundLight` and selecting the texture of choice.