Brief for Assessment 1

Assessment 1: Foraging Challenge, Individual Basis, 30% Weighting

Assessment date or deadline (excluding extensions)

1pm, 23rd October 2025

Assessment task outline and requirements

You must program your robot to autonomously complete the Foraging Challenge, **please review the Assessment Specification under "Unit Information & Resources"**. Your assessment submission must be individual work. Your code will be algorithmically checked for plagiarism against all other code submissions made to the unit

Assessment type

Individual Coursework Project

Assessment submission

You are required to complete 2 steps prior to the 1pm deadline:

- An online self-assessment form (link) with a valid URL to a web-hosted video of your robot completing the **Foraging Challenge**.
- Your final version of working code used to uploaded Blackboard as a zip file, which must compile without errors.

Academic integrity

Before starting this assessment, please read the University's information about academic integrity (http://www.bristol.ac.uk/students/support/academic-advice/academic-integrity/).

Generative AI Category

You are not permitted to use Generative AI in whole or part for Assessment 1.

Marking criteria

Please review the Assessment Specification under "Unit Information & Resources" for the assessment requirements & marking criteria.

Learning and feedback connections

Learning and feedback from this assessment will be built on in Assessment 2.

Intended Learning Outcomes (ILOs)

Assessment 1 targets the unit ILO 1:

1. Apply knowledge of robotics hardware and software development to design a solution for a robot to complete a practical autonomous task.