

Robotics

GENG5508

Group Project	Manipulators	Weeks 7-12
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GROUPS: Form groups of 4 students

EQUIPMENT: UR5/UR5e Manipulator

DEMONSTRATION

On the scheduled day at the end of semester, all groups will demonstrate their projects. Each group will be given 10 minutes to demonstrate their program in action. Groups should also provide a high-level explanation of how their program works during the demonstration, mentioning any particularly creative or elegant solutions to challenging aspects of the project.

SUBMISSION

Submit the following via LMS including declarations of all team members:

1. Project design report (pdf), which includes:
 - Report on which person did what
 - Brief overview of hardware
 - Software design description and diagram, outlining how each project task was achieved.
 - Include diagrams, photos, screenshots, plots, etc.
 - Include page numbers
 - Max 10 pages plus 1 Title page

Do NOT include:

 - Program code
 - Table of contents, etc.
2. User Manual (pdf).
 - Max 5 pages, **no** Title page
 - As if it was sold to a customer (i.e., include instructions to use code with manipulator, diagrams, photos, clear language, clear formatting, page numbers, etc.)
3. Source code, *via email to lab demonstrator*, clearly referencing any imported code

MARKING

70% Functional Performance and Complexity
10% Mid-project Assessment
60% Final Demonstration
20% Project Design Report
10% User Manual