

Year 2 Projects 2021-22

Bench Inspection Form

Group Names	
1 - Minghong Xu	4 - Zepeng Pang
2 - Zehao Ye	5 - N/A
3 - Kai Yang	6 - N/A

Project title: Simulation of Quadruped Robot Locomotion

Supervisor:

Component	Poor (<40%)	Adequate (40-49%)	Satisfactory (50-59%)	Good (60-69%)	Very good (70-79%)	Excellent (80-89%)	Outstanding (90-100%)	Weight	Weighted mark
Poster (visually appealing, complete with: title, names, supervisor, objectives, method, results, conclusion)					75			0.2	15
Quality of presentation (clarity, project understanding)						82		0.2	16.4
Quality of demonstration (actual project on bench / video demo, functionality)						85		0.2	17
Project management documents (Log books, responsibility matrix and meeting logs, complete with names, titles & dated entries)						82		0.1	8.2
Quality of the blog (visually appealing, professionalism, completeness)					78			0.1	7.8
Response to questions					78			0.2	15.6

Total Mark: **80**

Comments (including justification of marks awarded):

This is a student defined project. The team demonstrated excellent planning in setting the goals for the given time-frame, splitting the tasks including research, implementation and documentation, and ensuring that all members contributed to the key technical aspects of the work - the project documents support these points. The end-product is a library plus addition demo/test software which provides a slick interface for a user to select one of four motions the library can simulate, and the motion parameter (for example, roll angle) through a slider. The library finds the correct motor movements that results with the motion and displays the result.

Initials/Signature: MU

Role: Supervisor

Date: 04/03/2022