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| HKUST(GZ) Explorers Undergraduate Research Program (X Program)  **Progress Report**  (to be completed by the student bi-monthly) |

1. **Basic Information**

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| Research Title | Perception-Aware Locomotion for Wheel-Legged Manipulators | | |
| Supervisor Name | Jun MA | Submission Date | 2025.8.27 |
| Student Name | Xueyin LUO | Student Number | Xueyin LUO |

1. **Report by UG student**

To illustrate your progress over the past two months, including but not limited to your efforts, experience gained and milestone achievements, etc. (Maximum 300 words, in English)

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| **7.1-8.1: Try to revise reward algorithms for better performances. Meanwhile, I try to use servers online or at school for better simulation performances, but failed because of unsolved network connection problems.**  **8.10-8.17: While other competition and examination take 8.1-8.10 to finish, I read 5 Essays about online learning, summarize workflow and process, However, after discussion with the instructor, we decided to achieve RL learning with perception in front of with online learning.**  **8.18-8.22: Using Unitree Go2 in IADC Lab, I run SDK in real robot, and deploy my policy to the real robot. The result is not performing well limited by my laptop’s performance.**  **8.22-~: After sim2real, next I will read papers about RL robot with perception, and figure out the next simulation target.** |

1. **How often have you met with your supervisor over the past two months to receive guidance?**

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| Monthly Average | 2 times per month |

1. **Signatures**

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| **UG Student** | | **Supervisor** | |
| Signature: |  | Signature: |  |
| Date: | **2025.8.27** | Date: |  |