

CA 2 – Assignment, EE6221, 2024.10

Review the state of the art of one type of robots or autonomous systems, e.g.,

- Healthcare robots
- Manufacturing robots
- Logistics robots
- Autonomous cars
- Unmanned aerial vehicles (UAVs)
- Cleaning robots
- Robot manipulators
- Robot grippers (robot hands)
- Humanoid robots
- Robot dogs
- Mobile ground robots
- ...

Specifically,

- Review and compare the exiting research and development works, demos, products and projects, and find out the best solutions from your view;
- Describe the best solutions and explain in detail why you select them to be the best;
- Discuss the challenges to improve this type of robots;
- Discuss what you learned from this review;
- Comment on whether this review increases your interest to study further in robotics or pursue a future career in robotics or intelligent systems.

(100 marks)

Submission through NTULearn:

1. It is an individual assignment.
2. Each student shall submit softcopy of work in **PDF** through NTULearn by **8 November 2024, Friday**.
3. Copying directly from others' work and articles (including online articles in a different language) are strictly not allowed.