

Class Activity 1:

- Do we need robots capable of making ethical or moral decisions, such as in the case of a self-driving car? Under what circumstances? For what?
- Are robots (in the context of a self-driving car) the kinds of entities capable of making ethical or moral decisions?
- Whose morality or what morality should be implemented?

Class Activity 2:

Represent a person in the Therac-25 controversy (e.g., but not limited to, company, programmers, doctors, technicians). Focus on answering the following questions in your chosen role:

- I. What was their moral responsibility
- II. What each stakeholder did
- III. What they didn't do
- IV. What they could have done differently
- V. How that affected what happened

Class Activity 3:

Most of you wouldn't work with technology with life-critical implications. But automation is pervasive. In the Therac-25 case, automation was in the form of computerization.

- I. When is automation good?
- II. When is it not good?
- III. What checks should be in place to ensure automation is safe and reliable?

Class Activity 4:

Most of you wouldn't work with technology with life-critical implications. But software reuse is pervasive in many applications.

- I. When is reuse good?
- II. When is it not good?
- III. What checks should be in place to ensure reuse is safe and reliable?