

For addressing the following problem, you should watch the videos on AI ethics for engineers. Recall that the link to the videos are posted on our Moodle page, week of Dec 2-8 course material. Once you watch these videos, you have the tools to answer the following question.

AI ethics question

Your teacher is thinking about planning for the fact that she might have to repeat teaching the ME-390 course for another 25 years. She has decided to use artificial intelligence to take care of the course so as to relieve herself from some work. To do so, she is collecting data from all students in the course, with respect to their homework and exam score, attendance in classroom and exercise hours, participation EdDisussions, office hours. She does this data collection with their consent, having told them that the tool will be useful for the next generation. Based on the data collected, she is designing an automated course, where exercises are shown to students and adapted to their individual needs. The lectures are all recorded and can be watched online. The grading will also be automatic.

Map some of the ethical questions that could be raised based on the videos on AI ethics above. In your answers you should use the three categories of ethics discussed in the videos.