

# ISTE 110: Ethics in Computing

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## **Think, Pair, Share: Generation of Topic and Paper Outline**

Socrates is renowned for his ability to engage people in deep-thought discussions. He asks a series of questions on a focal point, and assists in developing critical thinking among participants. The Socratic method can bring forward thought paths that you may not have considered, or discarded without recognizing their worth.

Your task today is to spend time choosing a topic for your final paper. Do some research, surf the web, achieve an epiphany. When you have your topic, you can begin to do a point form outline. Not full sentences. Just thoughts.

Upon completing the outline, you now need to find a person to pair with, and share ideas. It can NOT be a person you sit next to, nor a member of your team. Branch out. Make new friends.

## **Scholarly Style Research Paper Outline**

Your content for today's class is posted to MyCourses: Scholarly Style Research Paper Outline Template (Kibin.com):

<https://www.kibin.com/essay-writing-blog/research-paper-outline>

This is a graded assignment valued at 5 points. You are to complete a research paper outline, and then share it with a peer (but not a team-mate). Your time line is as follows: From 5 pm until 5:45 pm, surf, brainstorm, give deep thought to something that interests you; something you could write about that makes you enthusiastic. Picking an "easy" topic doesn't play out well, because I can sense the boredom in your writing. At 5:45, find a friend and have them discuss, in a Socratic method, your thoughts. The other person's goal is to get you to think on a deeper level than we did on the presentation outline.

I will need one person from the duo to email me with the subject line: "Essay Outline" and put your names in the body of the message.

It is possible this will not remain your topic. You'll receive a grade for whatever outline is placed in the drop box on March 6th. Wednesday, we'll be going into more detail about the paper, but a starting place for all these activities begins with practice.

## Basic Research Paper Outline Template

1. Introduction
  - (a) Hook
  - (b) Research Question
  - (c) Thesis Statement
2. Body Paragraphs
  - (a) Context and History of Research Topic
  - (b) Existing Arguments
    - i. First Argument
      - A. Citation
      - B. Citation
    - ii. Second Argument
      - A. Citation
      - B. Citation
    - iii. Etc.
  - (c) Your Argument
    - i. First Argument
      - A. Citation
      - B. Citation
    - ii. Second Argument
      - A. Citation
      - B. Citation
    - iii. Etc.
3. Conclusion
  - (a) Summary of Main Points
    - i. Point 1
    - ii. Point 2
    - iii. Etc.

## Research Paper on Autonomous Cars and Car Ownership

1. Introduction
  - (a) Autonomous cars have been in the mind of researchers and engineers since the mid-20th century. The commercialization of autonomous cars will make roads safer and streamline inner-city transportation, but may also revolutionize the idea of car ownership in the future.

- (b) How will autonomous vehicle fleets affect the concept of car ownership in the future?
  - (c) In the next century, car ownership will decrease as the commercialization of autonomous cars will allow for shared ownership of a car and on-demand transportation at the click of a button.
2. Ethical Theory: Utilitarianism/Rawlsianism
- (a) Services like Uber, Airbnb, Lyft, and Sidecar are part of a new idea of a “sharing economy”.
  - (b) The Guardian
  - (c) Knowledge Insead
  - (d) The Kenan Institute for Ethics
  - (e) Adweek
  - (f) Spectrum IEEE
3. Body Paragraphs
- (a) Context: Carnegie Mellon has been experimenting with autonomous and semi-autonomous cars since the 1980s. Now, companies like Tesla have made cars nearly completely self-drivable using advanced arrays of sensors and processors. Autonomous cars can now be connected to the internet and sent to locations via an app.
  - (b) Existing Arguments
    - i. Already, companies like Uber are challenging the concepts of car ownership by providing readily accessible transportation at the click of a button.
      - A. Business Insider
    - ii. Combining this idea with fleets of autonomous cars would only accelerate this social change.
      - A. Business Insider
  - (c) Your Argument
    - i. Autonomous cars will be widely integrated into society in the near future anyway simply due to the fact that they are safer and will reduce accidents by a significant percentage.
      - A. Veritasium
      - B. Washington Post
    - ii. Fleets of autonomous cars and shared car ownership will prove to be cheaper and more convenient than owning a car. An on-demand service model will make transportation easier to access and phase out issues such as parking space.
      - A. Business Insider
      - B. Slate

4. The integration of autonomous cars into a city's infrastructure will revolutionize concepts of ownership regarding cars. Transportation can eventually be turned into a public service that is cheaper and more accessible than personal ownership of a car.

(a) Summary of Main Points

- i. Companies like Uber are already changing the idea of car ownership.
- ii. Autonomous cars will be adopted anyway because they decrease road accidents and are many times safer.
- iii. Fleets of autonomous cars providing an on demand service model will make transportation more accessible and cheaper, solving problems like parking spaces.

You can find all my notes at <http://omgimanerd.tech/notes>. If you have any questions, comments, or concerns, please contact me at [alvin@omgimanerd.tech](mailto:alvin@omgimanerd.tech)