**Assignment # 1 (Worth 20%) – Due Sunday by 11:59pm of Week 6**

For this assignment, in small groups (3 people), you are asked to read through an article of your choice from Science Daily about a recent AI invention/product/technology <https://www.sciencedaily.com/news/computers_math/artificial_intelligence/>

For example, you may read about roach robots, robots with incredible touch, rat brain that inspire self-driving cars or dragonflies missile robots.

You are free to choose any article you find interesting and inspiring. Once you have chosen an article, I would like you to answer the following questions:

1. Which article did you choose? Please provide the full name (title, date and author). Be sure to reference your source in APA formatting. You can refer to <https://apa.conestogac.on.ca/Sections/ReferenceList> for guidance on creating a reference list.
2. Why did you choose this particular article? Provide more than just a basic response (e.g., because I thought it sounded cool). **(a paragraph)**
3. What was the article about? **(1.5 pages)** 
   * Describe in detail the technology/AI in question
   * Who designed it?
   * How was this AI developed?
   * What inspired the creation of this AI? (e.g., AI prosthetic arms were needed for amputees)
   * What is the purpose/application of this AI?
4. Do you feel that this technology is truly “intelligent”? Why or why not? Be sure to refer to class material that defines intelligence (Weeks 2 and 3). Feel free to also mention other sources you feel are relevant to support your response. Be sure to cite your sources (e.g., Week 2 lecture slides or reference other material). Use APA conestoga referencing. **(Half a page)**
5. If you were a venture capitalist\* or investor, would you fund this project? Why or why not? Be sure to justify your response with a firm rationale and/or evidence to support your statement(s)Use APA format for in-text citation and reference list**. (Half a page)**.

1. Do you think this is a good/bad technology? When answering this question, be sure to list the risks/benefits that might exist in your opinion to support your response. **(1 page)**

*\* Venture capital is a type of private equity, a form of financing that is provided by firms or funds to small, early-stage, emerging firms that are deemed to have high growth potential, or which have demonstrated high growth*

***Important Notes Regarding Your Assignment:***

* You cannot have more than 3 individuals in your group.
* You need to ensure that the first and last names of the group members appear on the first page of the assignment.
* Only one person is responsible to submit the assignment into Dropbox in eConestoga (D2L). This person will receive the feedback and is also responsible to share the feedback with other members of the group.
* Save your work in PDF.
* Be aware that your papers will be graded for spelling and grammar! Use spell check and proof read if you don’t want to lose unnecessary marks.
* You need to **avoid colloquial language** for this assignment.
* Your marks will be earned by **displaying critical thinking and depth of insight and logical flow of information.** There should be coherent transitions between paragraphs.
* Upload your paper electronically to EConestoga before the due date. Late assignments will be penalized by **10% of the assignment total mark per 24-hour period.** The late penalty begins immediately after the posted time, at which the assignment is due.
* Please do **NOT** email your instructor the articles you have chosen and ask them to confirm the appropriateness of your articles. **Finding proper articles is part of this assignment.**
* **Do not use direct quotes**, you are required to paraphrase.
* All sources must be properly cited within text and in the reference list and according to the APA Conestoga referencing
* Your assignment should be written in complete sentences (i.e. do NOT use point form).
* Your entire paper should be double-spaced.
* Margin should be set at 2.54 cm all around.
* Use Calibri font in **12 points font size** for the entire paper

**GRADING RUBRIC**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **3** | **2** | **1** | **0** |
|  | **Excellent** | **Excellent** | **Satisfactory** | **Unacceptable** |
| Choice of Article |  | Reason for choosing article is listed and is clearly supported by detailed explanation as to why this was chosen. | Reason for choosing article is listed but is in basic form (e.g., because it sounded cool) and could benefit from a stronger rationale. | Responses are missing or are not listed at all |
| Describe in detail the technology/AI in question |  | The name is mentioned, and the AI is described in clear detail (e.g., what is looks like, the features etc.) | The name is mentioned­­­­ and, but the description could benefit from more detail (e.g., what is looks like, the features etc.) | Responses are missing or are not listed at all. |
| Who designed it? |  | The creator(s) are listed with details about who they are/the company that created it. | The creator(s) are listed but the response could benefit from more detail about who they are/the company that created it. | Responses are missing or are not listed at all. |
| How was this AI developed? |  | The development process is described with strong detail. | The development process is described, but is basic. | Responses are missing or are not listed at all. |
| What inspired the creation of this AI? (e.g., AI prosthetic arms were needed for amputees) |  | Inspiration for this technology is well articulated (why was it invented) and examples are provided from the article to support your response. | Inspiration is mentioned in a basic level and could benefit from further support from the article. | Responses are missing or are not listed at all. |
| What is the application of this AI? |  | The application is described in clear detail (e.g., what is it meant to do? What industries is this AI used in/going to be used in) | The application is described but the description could benefit from more detail. Reference to industry is lacking. | Responses are missing or are not listed at all. |
| Tech Truly Intelligent? |  | Statement about position is clearly articulated. Position is strongly supported by well articulated reasons why and refers back to class material. Other sources that support response are also provided. | Statement about position is clearly articulated, but could benefit from additional support from class material or otherwise. | Responses are missing or are not listed at all. |
| Venture Capitalist Support |  | Statement about position is clearly articulated. Position is strongly supported by well articulated reasons why. | Statement about position is clearly articulated, but could benefit from additional explanation about why. | Responses are missing or are not listed at all. |
| Good or Bad Technology? |  | Statement about position is clearly articulated. Position is strongly supported by well articulated risks/benefits. | Statement about position is clearly articulated. Risks or benefits are listed in basic form and position is not strongly supported by these. | Responses are missing or are not listed at all. |
| Spelling and Grammar | Writing is clear, concise, and well organized with excellent sentence/paragraph construction. Thoughts are expressed in a coherent and logical manner. There are no spelling, grammar, or syntax errors. | Writing is mostly clear, concise, and well organized with good sentence/paragraph construction. Thoughts are expressed in a coherent and logical manner. There are no more than two spelling, grammar, or syntax errors. | Writing is unclear and disorganized. Thoughts are not expressed in a logical manner. There are more than two spelling, grammar, or syntax errors. | Writing is unclear and disorganized. Thoughts ramble and make little sense. There are numerous spelling, grammar, or syntax errors throughout the response. |
| Referencing and Article Source |  | Source(s) is referenced in APA. | Source(s) is referenced, but not in APA. | No referencing is provided. |
| TOTAL | 23 | 22 | 11 | 0 |