# Faculty Guide to Detecting Artificial Intelligence (AI) Generated Text

## How to Identify AI Generated Text

**Fictitious People & Instances**
*Large Language Models (LLM) cannot accurately correlate names, places, dates, and instances and their chunks of information rarely stay together.*

**Inaccurate Claims Presented as Fact**
*LLM will produce unverifiable evidence and make untrue claims. The language will be accurate, but the content will be false.*

**Non-existent References Page Entries**
*Due to the creative nature of LLM, they are capable of creating references pages when prompted, but they are unable to create an accurate working reference entry.*

**Self-contradictory Statements**
*Depending on the temperature setting of LLM, so-called 'randomness' can be increased or decreased. When the temperature is at a low setting, the output becomes repetitious of the input, which functions well for summarizing and paraphrasing. However, when the temperature is set higher, the algorithm becomes more creative and random, and the logic can quickly disappear, thus producing self-contradictory statements.*

**Topical Drift**
*LLM use filters to avoid generating racist, sexist, or any other problematic text. When the content is too close to a filtered topic, it will 'drift' into a safer area.*

**Inaccurate Details in Summarizing**
*LLM can easily summarize or paraphrase short texts; however, it is nearly impossible for them to give consistent acknowledgement of the source (author, titles, publication dates, etc.).*

**Inability to Refer to Post 2022 Events Accurately**
*LLM are uncapable of producing responses from prompts that focus on events or topics after the time the source text of GPT-3 and GPT-4 was created.*

**Conventional Themes & Patterns of Academic Rhetoric**
*When LLM face an unfamiliar topic, you may see cliché responses. The output will not be accurate and will resort to topics where the corpus of the source text is more robust.*

## Using AI-Detection Tools

- Currently available AI-detection tools are susceptible to error and may generate a false positive or a false negative.
- If using an AI detector tool, the report alone can be an indicator of unauthorized use of AI tools, but it should be complemented with a discovery interview with the student to substantiate a breach of academic integrity.
- Students should be informed that an AI-detection tool may be used to screen their submission if unauthorized use of AI tools is suspected.

## Questions?