Policies for the Use of Generative Artificial Intelligence Applications in Academic Work and Scientific Research at Yarmouk University

1) Introduction

In response to the rapid development in the use of generative artificial intelligence (Generative AI) applications in various academic and research settings, a set of policies has been developed to regulate the responsible and accountable use of generative artificial intelligence at Yarmouk University. These policies apply to all academic and research activities and are not limited to scientific papers, research, theses, graduate projects, assignments, and exams. This policy will be periodically reviewed to keep pace with technological advancements and global standards.

2) Definition of Generative Artificial Intelligence

Artificial intelligence (AI) refers to a computer application capable of performing tasks that mimic human intelligence, such as machine learning, processing natural language, pattern recognition, learning from data, and assisting in writing.
Generative artificial intelligence (GenAI) is a branch of AI that generates new content in response to written prompts in chat platforms or natural language communication platforms. The generated content can take the form of texts, graphic illustrations, images, audio, videos, or data.

3) Target Audience

This policy applies to all undergraduate and graduate students, faculty members, and individuals involved in preparation, evaluation, and supervision of academic and research work, including academic communications, scientific papers, research projects, assignments, and exams.

4) Objective

This policy aims to regulate and enhance learning and research, increasing efficiency through the responsible and reasonable use of generative artificial intelligence (AI) applications and tools. It seeks to uphold standards of scientific integrity and authenticity in academic and research work. Additionally, it aims to foster a culture of interdisciplinary collaboration and develop a supportive system for creativity and innovation in addressing challenges by applying generative AI techniques while focusing on ethical use, data security, and technology.

5) Permitted Use of Generative Artificial Intelligence

The use of generative AI tools and applications is allowed in academic work and scientific research across different stages (such as research, design, planning, drafting, analysis, writing, and generating visual content or interpretation), provided that their use is explicitly disclosed in a documented and transparent manner. Permitted uses include:

- Generating general outputs.
- Verifying linguistic, grammatical, stylistic, and evaluative rules.
- Analyzing policies and structured programs.
- Creating summaries of educational content.
- Generating initial ideas and outlining frameworks for idea development.

6) Prohibited Use of Generative Artificial Intelligence

The use of generative AI applications is not permitted in the following areas:

- Producing non-general outputs, including personal medical data, confidential research, or unpublished studies.
- Conducting legal analysis.
- Creating scientific research, reviews, or university theses.
- Producing false or misleading data or content.

- Extensive copying or writing large portions of scientific research, reviews, books, or university theses.
- Attaching false or fabricated images.
- Generating academic work from an unauthorized source.
- Plagiarism without adherence to the permitted standards.

(7) Considerations and Guidelines for Using Generative Artificial Intelligence

The use of generative AI tools and applications is permitted in academic work and scientific research, but this does not exempt researchers from adhering to scientific integrity, under the following conditions:

1. **Consultation and Scientific Integrity**:
    - All advanced tools should be used according to recognized citation standards, appropriate practices for different disciplines, and the guidelines of publishing institutions and educational bodies.
2. **Usage Conditions**:
    - Compliance with the terms of use for each AI tool, including intellectual property rights.
3. **Data Security and Privacy**:
    - Approval from the university's ethics committee on human or animal research must be obtained before using AI applications in research involving personal data, sensitive human-related topics, or confidential information.
4. **Authenticity**:
    - Any work presented by a student or faculty member must reflect their original intellectual contribution.
5. **Disclosure**:
    - Full disclosure is required regarding any use of AI tools in student or research work.
    - This includes specifying the tools used, the extent of their usage, and the parts of the thesis, dissertation, graduation project, research project, or academic assignments that involved AI.
    - Approval from supervisors on its use in academic work and assignments is necessary.
6. **Transparency**:
    - AI tools and applications must be used transparently, with clear citation and acknowledgment of the AI tools utilized.
    - This is to prevent academic misconduct or plagiarism.