
Assignment 1: Applied Research 381

Introduction

A literature review is an overview of the previously published works on a topic. The purpose of a literature review is to gain an understanding of the existing research and debates relevant to a particular topic or area of study, and to present that knowledge in the form of a written report. Literature review helps us to analyse the past and prepare for the future.

Objectives of the assignment

The primary objective of this assignment is to write a preliminary narrative literature review on your specific topic. Specifically, the assignment will look at the following abilities:

- Identifying relevant sources and papers
- Review the literature in terms of Summarising, Synthesising, Comparing, and Critiquing research papers.
- Writing up the review of the literature in an academic communication style.

Research Problem [16 Marks]

Based on the research topic developed during Assignment 1 and 2, write a three (3) paged literature review in support of the main research problem that you have identified. Structure your review in such a way that it is coherent and flows from a broad identification of the main concepts and their definitions to the identification of your research problem. Focus on readability by including subsections.

Remember the research focus areas:

- Artificial Intelligence and Machine Learning (AI/ML)
- Cloud Computing
- Internet of Things (IoT)
- Cybersecurity and Privacy

Your literature review should include mix of resources including peer-reviewed journal papers, conferences papers, edited books and/or thesis/dissertations from accredited academic sources. Remember to use the Harvard referencing style.

Additional Information

- Do this assignment as an individual. You can collaborate with your peers for discussions and brainstorming but the write-up should be done alone.
- The document will be scanned for plagiarism.
- This assignment should not exceed three (3) pages using Times New Roman Font, size 12.
- Late assignments will not be accepted under whatever circumstance and all the candidates who will submit this assignment late will get a zero (0).
- Marks will be awarded according to the rubric below.

Rubric

Criteria	Excellent 4	Good 3	Fair 2	Poor 1
Depth of research	The literature review demonstrates a thorough understanding of the topic, with extensive research conducted. Relevant sources are comprehensively explored, including seminal works and recent publications.	The literature review shows a solid understanding of the topic, with a sufficient number of relevant sources cited. Important works are included, but some key sources may be missing.	The literature review provides a basic overview of the topic, but lacks depth in research. Limited sources are cited, and significant gaps in understanding may be evident.	The literature review lacks substantive research, relying on a minimal number of sources. There is a significant absence of relevant literature, indicating a lack of understanding of the topic.
Critical analysis	The literature review critically evaluates and synthesizes existing research, demonstrating a nuanced understanding of different perspectives and methodologies. It identifies strengths, weaknesses, and gaps in the literature effectively.	The literature review offers a thoughtful analysis of the literature, identifying strengths and weaknesses in existing research. It provides a coherent synthesis of ideas but may lack depth in critical evaluation.	The literature review presents a basic analysis of the literature but lacks depth in critical evaluation. It may summarize sources without providing meaningful insights or connections between them.	The literature review lacks critical analysis, merely summarizing existing research without evaluating its strengths, weaknesses, or implications. It fails to provide meaningful synthesis or insight into the literature.
Clarity and quality of writing	The literature review is exceptionally well-written, with clear, concise language and precise expression of ideas. It is free from grammatical errors, and terminology is appropriately used.	The literature review is generally well-written, with clear expression of ideas and mostly correct grammar and syntax. Language is appropriate for the intended audience, but there may be occasional errors or awkward phrasing.	The literature review is somewhat difficult to read due to unclear or convoluted language. There are noticeable grammar or syntax errors, and writing may be inconsistent or awkward.	The literature review is poorly written, with unclear language, frequent grammatical errors, and awkward phrasing. It fails to effectively communicate ideas to the reader.
Referencing and appropriateness of sources	All citations and references are accurate, following the specified citation style (Harvard). Every source cited in the text is correctly listed in	Most citations and references are accurate, with minor errors or inconsistencies in citation style. The	Some citations and references contain errors or inconsistencies in citation style. There may be	Citations and references are inaccurate or entirely missing. The chosen citation style is not

	the reference list, and vice versa.	majority of sources cited in the text are appropriately included in the reference list, and vice versa.	missing or incomplete information in citations or references, impacting the reader's ability to locate the original sources.	consistently applied, making it difficult for the reader to verify sources or follow the scholarly trail.
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