

ASSIGNMENT GUIDELINE

Overview:

For this assignment, you are required to document an algorithm of your choice. Your documentation should include a comprehensive analysis and explanation of the algorithm, covering the following aspects: Introduction, Literature Review, Tools and Implementation Methods, Evaluation Methods, Results and Discussion, and Conclusion. The goal is to provide a detailed and thorough understanding of the algorithm, demonstrating your ability to research, implement, and evaluate complex computational methods.

Submission Requirements:

- **Group Details:** Include the names of all group members, student IDs, and contact information at the Cover Page.
- **Title Page:** Title of the Project, University Name, College and Department Name, and the Submission Date.
- **Table of Contents:** Clearly list all sections and sub-sections with corresponding page numbers.

Formatting Instructions:

- **Font:** Times New Roman
- **Font Size:** 12 (general text), 14 (titles)
- **Font Color:** Black
- **Line Spacing:** 1.5
- **Justification:** Full Justification

Sections to Include:

1. Introduction

- Provide a brief introduction to your project topic.

- Explain the relevance and importance of the algorithm.
- Outline the objectives of your project.

2. Literature Review

- Conduct a detailed literature review related to your topic.
- Summarize previous research and developments concerning the algorithm.
- Discuss the theoretical background and related work in the field.

3. Tools and Implementation Methods

- List and describe the tools and software you have used.
- Explain the implementation methods and procedures.
- Provide any necessary code snippets or pseudocode to illustrate key points.

4. Evaluation Methods

- Describe the methods of evaluation you have used to analyze your model.
- Explain why you chose these methods.
- Provide details on the metrics and criteria for evaluation.

5. Results and Discussion

- Provide the results of your implementation.
- Include graphs, tables, and other visual aids to support your findings.
- Discuss the results in detail, interpreting what they mean in the context of your objectives.

6. Conclusion

- Provide a concise and clear conclusion about your topic.
- Summarize the main findings and their implications.
- Suggest potential future work or improvements.

GROUPING AND PROJECT TITLES (4D)

<u>Group A</u> <ol style="list-style-type: none">1. Abdirisak Abdillahi Awale Jama2. Aidarous Mohamed Abdi Muhumed3. Bashir Rashid Abdikadir Karshe4. Khalid Mohamoud Ahmed5. Khalil Hussein Abdirisak Omer6. Awo Yousuf Muhumed Osman	Text Paraphrasing
<u>Group B</u> <ol style="list-style-type: none">1. Abdalle Mohamed Omer Abdillahi2. Abdifatah Ahmed Muhumed Saed3. Abdirahman Saed Shireh Farah4. Arafat Jama Harir Yousuf5. Suhaib Omer Hersi Dodi6. Mohamed Ahmed Abdi Hersi	Sentiment Analysis
<u>Group C</u> <ol style="list-style-type: none">1. Abdinajah Yousuf Mohamed2. Abdillahi Abdirahman Mohamoud Abdillahu3. Abdirisak Ahmed Hussein4. Jibril Ali Abdillahi Jibril5. Mahfoud Abdirisak Ahmed Akoule6. Sead Harir Jama Haid	Word Sense Disambiguation
<u>Group D</u> <ol style="list-style-type: none">1. Madar Dualleh Ali Ahmed2. Mohamed Mohamoud Mohamed3. Yasir Esse Ahmed Omer4. Sakarie Mukhtar Mohamed Hassan5. Hamse Abdillahi Muhumed Badil6. Hamse Mustafe Hiis Abdi	Text Summarization

<u>Group E</u> <ol style="list-style-type: none"> 1. Hafsa Abdifatah Mohamed Alin 2. Fardous Osman Gahayr Abdi 3. Muwahib Abdirisak Osman Abdalle 4. Najah Fosi Mouse 5. Hibo Ahmed Mouse Hussein 6. Nimco Maxamed Cali 	Grammar Checker
<u>Group F</u> <ol style="list-style-type: none"> 1. Fathia Mohamed Nour Abdirashid 2. Hamda Heris Nour Warsame 3. Hamda Mohamoud Abdillahi Qalib 4. Ilhan Ali Ahmed Jama 5. Mumtas Mohamed Daud Ahder 6. Zamzam Mahdi Ahmed Abdi 	Named Entity Recognition
<u>Group G</u> <ol style="list-style-type: none"> 1. Muna Mustafe Aden Mogeh 2. Nada Khadar Abdiqadir Karshe 3. Najah Abdi Ali Jama 4. Umalkhair Muhumed Sh.Yusuf Bouni 5. Hinda Mohamed Suleiman 6. Hafsa Ibrahim Omer Osman 	Part of Speech Tagging

Deadline: Submit your group assignment on or before **25th June, 2024** via my University email: suleiman.gargaare@uoh.edu.so