



University of Hargeisa
College of Computing and IT
Department of Computer Science
Assignment (15%)
Design and Analysis of Algorithms

Instructions: -

Gather sufficient number of reference literatures and review them in detail: -

1. Prepare your written documents by including:
 - i. Introduction about your Topic
 - ii. Detailed Literature Review
 - iii. Critique: A Critical Review
 - ✓ Strengths
 - ✓ Weakness
 - iv. The Algorithm and Its Pseudocode
 - v. Complexity Analysis and Discussion
 - vi. Conclusion
 - vii. References

Try to describe the Introduction, Critiques, Analysis and Conclusion in your own words.

Format:-

- i. **Font:** TimesNewRoman, **Font Size:** 12, **Font Color:** Black, **Line Spacing:** 1.5, **Justify:** Full Justification, Reference: IEEE.
- ii. A complete citation of the article goes at the top of the page, below your heading.
- iii. Be concise and eliminate superfluous information.

4D – Grouping and their respected titles:

1	Abdalle Mohamed Omer Abdillahi	Group 1 Shell Sort
2	Abdifatah Ahmed Muhumed Saed	
3	Abdillahi Abdirahman Mohamoud Abdillahi	
4	Abdillahi Jibril Khalid Osman	
5	Abdinajah Yousuf Mohamed	
6	Abdirahman Saed Shireh Farah	
1	Abdirisak Abdillahi Awale Jama	Group 2 Heap Sort
2	Abdirisak Ahmed Hussein	
3	Aidarous Mohamed Abdi Muhumed	
4	Arafat Jama Harir Yousuf	
5	Awo Yousuf Muhumed Osman	
6	Bashir Rashid Abdikadir Karshe	
1	Fardous Osman Gahayr Abdi	Group 3 Bucket Sort
2	Fat-Hia Mohamed Nour Abdirashid	
3	Hafsa Abdifatah Mohamed Alin	
4	Hafsa Ibrahim Omer Osman	
5	Hamda Heris Nour Warsame	
6	Hamda Mohamoud Abdillahi Qalib	
1	Hamse Mustafe Hiis Abdi	Group 4 Binary Search
2	Hamse Abdillahi Muhumed Badil	
3	Hibo Ahmed Mouse Hussein	
4	Ilhan Ali Ahmed Jama	
5	Jibril Ali Abdillahi Jibril	
6	Khalid Mohamoud Ahmed	

1	Khalil Hussein Abdirisak Omer	Group 5 Linear Search
2	Madar Dualleh Ali Ahmed	
3	Mahfoud Abdirisak Ahmed Akoule	
4	Mohamed Mohamoud Mohamed -	
5	Mohamed Ahmed Abdi Hersi	
6	Mumtas Mohamed Daud Ahder	
1	Muna Mustafe Aden Mogeh	Group 6 Fibonacci Search
2	Muwahib Abdirisak Osman Abdalle	
3	Nada Khadar Abdiqadir Karshe	
4	Najah Abdi Ali Jama	
5	Najah Fosi Mouse	
6	Sakarie Mukhtar Mohamed Hassan	
1	Sead Harir Jama Haid	Group 7 Interpolation Search
2	Suhaib Omer Hersi Dodi	
3	Umalkhair Muhumed Sh.Yusuf Bouni	
4	Yasir Esse Ahmed Omer	
5	Zamzam Mahdi Ahmed Abdi	
6	Hinda Mohamed Suleiman	

SCHEDULE, PLAN AND THE CONTENTS OF THE ASSIGNMENT

The schedule of the presentation will be:

Group Name	Time	Date
Group 1	16:20 – 16:35	Sunday 31 th Dec, 2023
Group 2	16:35 – 16:50	Sunday 31 th Dec, 2023
Group 3	16:50 – 17:05	Sunday 31 th Dec, 2023
Group 4	17:05 – 17:20	Sunday 31 th Dec, 2023
Group 5	17:20 – 17:35	Sunday 31 th Dec, 2023
Break		
Group 6	18:15 – 18:30	Sunday 31 th Dec, 2023
Group 7	18:30 – 18:45	Sunday 31 th Dec, 2023

From the documentation of the assignment, you all need to submit on or before **25th December, 2023** via my official email: suleiman.gargaare@uoh.edu.so

NB: The lecturer will choose the presenters from the group on the presentation day. The remaining students from the group will answer the questions related to your specific topic.

Suleiman Gargaare

Certified PMP

MSc in CS, MSc in PM & BSc in IT