Mini-Project

Introduction to Algorithms

Overview

1. Project Scope

2. Timeline

3. Submitting a report

Score 30 %

Project

4

persons/group

1. Project Scope

1. <u>Select the processes</u> in your life and applied the algorithms and data structure to do :

   1. Sorting / Grouping
   2. Searching / Counting
   3. Inserting
   4. Deleting
   *** Select at least one algorithm.

Grouping   Game

2. Suppose (input) 4 samples for testing
   (*** Array size >= 10 ***)

3. Development coding with **Co-lab**
4. Demonstrate flowchart with **draw.io**

2. Timeline

1. **Scope** : <u>**Conceptual**</u> of mini-project (**PowerPoint /Pdf- MS Team**)

2. **Report** : **Final-report** (MS Team)

3. **Presentation** : (Recording video on **YouTube**)

3. **Submitting a report**

1. **Conceptual** of mini-project (**PowerPoint /Pdf- MS Team**)
Deadline : *13 Sep 2025*

PowerPoint (pdf) or CANVA
Content :
- Group name / member name
- Demonstrate concepts your process idea and answer questions.
- The reason why you choose this process ?
- The reason why you applied with this algorithms ?

2. **Final-report** (MS Team)
Deadline : *11 Oct 2025*

PowerPoint (pdf) or CANVA
Content include :
- Flowchart (Images)
- Coding and results (colab link or zip file)

3. **Presentation** : (**YouTube**)
(30 min / project)
Deadline : *18 Oct 2025*

- Present Members and conceptual
- Demo flowchart
- Demo Applications

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