



Operating Systems

IT241

Project

Deadline: Thursday 21/05/2023 @ 23:59

[Total Mark is 14]14

Student Details:

CRN:

Name:

ID:

Name:

ID:

Name:

ID:

Instructions:

- ? You must submit two separate copies (**one Word file and one PDF file**) using the Assignment Template on Blackboard via the allocated folder. These files **must not be in compressed format**.
- ? It is your responsibility to check and make sure that you have uploaded both the correct files.
- ? Zero mark will be given if you try to bypass the SafeAssign (e.g. misspell words, remove spaces between words, hide characters, use different character sets, **convert text into image** or languages other than English or any kind of manipulation).
- ? Email submission will not be accepted.
- ? You are advised to make your work clear and well-presented. This includes filling your information on the cover page.
- ? You must use this template, failing which will result in zero mark.
- ? You **MUST** show all your work, and text must not be converted into an image, unless specified otherwise by the question.
- ? Late submission will result in ZERO mark.
- ? The work should be your own, copying from students or other resources will result in ZERO mark.

Description and Instructions

- ❓ This project is a research group activity. Each group has up to 3 students.
- ❓ Each group should choose a topic from the provided topics list.
- ❓ The chosen topic and students’ names in each group must be sent to the course instructor by the end of **week 6 (April 20, 2023)**.
- ❓ Students must use reputable sources and at least 2 scientific papers in their research.
- ❓ Total Marks = 14

The deliverables of the project should include A report with the following sections:

- **Abstract:** summary of chosen problem. (2 Marks)
- **Introduction:** a brief introduction about the chosen topic. These should be demonstrated using text and diagrams. (2 Marks)
- **Background:** a brief of the chosen topic (provide any terms or theories the reader should know about). (3 Marks)
- **Discussion:** discuss the chosen topic thoroughly. (4 Marks)
- **Conclusion:** summarize the findings of the discussion. (2 Marks)
- **References:** The citation should follow the APA style. (1 Marks)

Your paper must be **4-6** pages, including references.

Learning

Outcome(s):

- *Describe the OS mechanism for process management, threads, memory, storage management, I/O, file and concurrency management.*

Topics:

- 1- Comparative survey between Desktop OS and Mobile OS in terms of various features like Storage, Memory requirement, boot time etc.
- 2- Comprehensive study of Mobile operating systems based on Microsoft Windows and Linux.
- 3- Research review for Scheduling algorithms in Android / iOS / any other mobile operating system.
- 4- Research review for Memory Management in Android / iOS / any other mobile operating system

Your answer here

