Simulation Based Assignment Assessment Rubric

Assessment Criteria

Parameter	Weightage in %	Description
Test Cases	**20**	The code must satisfy the sample test cases i.e. for each set of input it must generate the desirable output.
Concept Clarity	**10**	The student need to specify the algorithms and the OS concepts they are applying on the given scenario based problem.
Functional Requirements(boundary conditions, constraint satisfaction, etc)	**50**	Code has to fulfill all the constraints and will satisfy the boundary conditions mentioned in the problem. It is mandatory to use C language. Solution should be implemented using OS concepts(System calls)
Report submission	**10**	The student has to submit the report as per the format specified.
Use of GitHub Repository	**10**	Student should upload the project on GitHub repository, Every week at least one revision should be done with a total of minimum 5 revisions during project lifecycle. Students uploading project in GitHub in the last week of submission would be subjected to DEDUCTION OF MARKS.

Note: Marks deduction on the basis of similarity index

Plagiarism Weightage	Marks Deducted
50-60%	03
60-70%	06
70-80%	09
80-90%	12
Above 90%	27

Report Format

Dear Students,

The individual project report template is built for letting us evaluate your individual understanding, capability and retention of the assigned project. While building answers to the questions from the template, you should be relating the project assigned to you and keep in mind the below three points and submit a write up to for the project.

Format of the report:

Text Size: 12
Text Style: Times New Roman
Line Spacing: 1.5 maximum

Mention the below in header of the word document

Student Name:
Student ID
Email Address:
GitHub Link:
Code: Mention solution code assigned to you

1. Explain the problem in terms of operating system concept? (Max 200 word)

Description:

2. Write the algorithm for proposed solution of the assigned problem.

Algorithm:

3. Calculate complexity of implemented algorithm. (Student must specify complexity of each line of code along with overall complexity)

Description (purpose of use):

4. Explain all the constraints given in the problem. Attach the code snippet of the implemented constraint.

Code snippet:

5. If you have implemented any additional algorithm to support the solution, explain the need and usage of the same.

Description:

6. Explain the boundary conditions of the implemented code.

Description:

7. Explain all the test cases applied on the solution of assigned problem**.**

Description:

8. Have you made minimum 5 revisions of solution on GitHub?

GitHub Link: