CAB301 Assignment 3 Marking Criteria

Marks = ____ out of 40 marks **Student ID:**

1. Functionalities (35 marks) – the following standards apply to each of the required functionalities.

- Very Satisfactory (V. S.): The software always produces correct and reliable output for the required functionality in any case. It is very easy for the user to use the functionality.
- Satisfactory (S.): The software produces correct and reliable output for the required functionality in many cases. It is easy for the user to use the functionality.
- Fairly Satisfactory (F. S.): The software produces correct and reliable output for the required functionality in some cases.
- Unsatisfactory (U. F.): The software does not produce correct and reliable output in most cases or in any case.

Functional Requirements	**Full marks**	**Marks**
Read the information about a project into the system.	3 V. S. = 3 marks S. = 2 marks F. S. = 1 mark U.S. = 0 marks	
Add a new job with time needed to complete this job and jobs that this job depends on into the project.	3 V. S. = 3 marks S. = 2 marks F. S. = 1 mark U.S. = 0 marks	

Remove a job from the project.	3 V. S. = 3 marks S. = 2 marks F. S. = 1 mark U.S. = 0 marks	
Change the time that a task needs to complete the job.	3 V. S. = 3 marks S. = 2 marks F. S. = 1 mark U.S. = 0 marks	
Save the (updated) information about the tasks and dependency back to the opened input file.	3 V. S. = 3 marks S. = 2 marks F. S. = 1 mark U.S. = 0 marks	
Find a sequence of the tasks that does not violate any job dependency and save the sequence to a text file.	10 V. S. = 10 marks S. = 7.5 marks F. S. = 5.0 mark U.S. = 0-2.5 marks	

Find the earliest possible commencement time for each of the tasks in the project.	10 V. S. = 10 marks S. = 7.5 marks F. S. = 5.0 mark U.S. = 0-2.5 marks	

2. Applications of Algorithms (2.5 marks)

- Satisfactory (2.5 marks): Suitable algorithms are selected and implemented correctly.
- Fairly Satisfactory (1.25 mark): Suitable algorithms are selected, but not implemented correctly.
- Unsatisfactory (0 mark): Unsuitable algorithms are applied.

3. Use of Data Structures (2.5 marks)

- Satisfactory (2.5 marks): the data structures used in the software for storing, accessing and manipulating the data for the problem at hand are efficient, and the chosen data structures are easy to implement.
- Fairly satisfactory (1.25 marks): the data structures used in the software for storing, accessing and manipulating the data for the problem at hand are efficient, but the chosen data structures are not easy to implement.
- Unsatisfactory (0 mark): the data structures used in the software for storing, accessing and manipulating the data for the problem at hand are not efficient.