**Software Engineering Project CMPS310**

**Section: B01**

**Date of Submission: 21st November 2021**

DECLARATION: *We hereby certify that no part of this project or product*

*has been copied from any other student’s work or from any other sources*

*except where due acknowledgement is made in the project. No part of this*

*project/product has been written/produced for us by any other persons*

Group Members:

|  |  |  |
| --- | --- | --- |
| **Name** | **QUID** | **Effort given** |
| Talha Abdullah Punjabi | 201903446 | 25% |
| Ibrahim Demdoum | 201701515 | 25% |
| Abd Errahmane | 201803234 | 25% |
| Salem Rashid |  | 25% |

1. **Which software development life cycle model or process will you use for this project, and why? Provide enough justifications**

**Ans)** We will use Water fall model for our project. We will use this model as it provides the following benefits:

1. One Phase/milestone at a time, it allows clarification and can lead to a satisfied result
2. All requirements are well understood and fixed from the start of developing the process
3. It has clear milestones and has 1 activity at a time, which improves quality of software
4. Possibility to revisit the previous phases for any enhancement and addition of additional information is possible
5. It is easy to understand
6. Evaluation of progress is simpler as individual activities are tested
7. Reinforces good habits like define-before-design and design-before-code
8. **Propose the followings using MS Project or similar tool: a. A Gantt chart with specific defined tasks, specific milestones and date/duration related to the project and the process used. b. A Dependency graph with specific defined task, specific milestones, duration, dates if appropriate, and dependency. Show the critical path  
   Ans) A : Grant Chart with tasks, dependencies and duration.**

Table

Description automatically generatedA picture containing table

Description automatically generated

Timeline

Description automatically generatedGraphical user interface

Description automatically generated with low confidence

Graphical user interface, application, table, Excel

Description automatically generatedTimeline

Description automatically generated with medium confidence

Resource Sheet

B :Dependency Graph that shows the network and the critical path.

Diagram

Description automatically generated

1. **Individual summary report (Talha):**

**Ans)** My experience in this project was great. There were some obstacles while preparing and understanding the whole project, but with great effort by my teammates alongside me, I was able to figure out and counter all the obstacles faced. I learned what the steps are taken by a software engineer to implement the system as well as counter all the obstacles that he/she faces. Every milestone was great to work on, even if we faced obstacles, we overcame it by discussion and critical thinking. The project was simplified through each milestone, as our vision and understanding got more clearer in each topic, everything seemed to add up. I have a vision to improve myself in terms of developing and having a critical thinking like a software engineer to become a good developer and a software engineer.