SYSC 4005 A

Winter 2023

Project Deliverable #1

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Deliverable 1

• Problem Formulation (4 points)

• Setting of Objectives and Overall Project Plan (2 points)

• Model Conceptualization (4 points)

• Model Translation

Explain about your choice of simulation language (4 points).

The choice of simulation language for this project would be the python programming language. The python language provides libraries such as “numPy”, “simPy”and data structures compatible with expressing the problem as a model.

Describe your model implementation with software architecture and functions of each module at high level (6 points)

as well as source code of each module at detail level (6 points).

Use tools such as flowcharts, class diagrams and interaction diagrams to show your design (4 points).