

The Hong Kong Polytechnic University
Faculty of Construction and Environment
CE 631:
Simulation and IT Applications in Construction
Quiz (1) 30th of September 2024

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- 1- Think about a problem in your domain of expertise. Write it down in a detailed way with the required description. Use images, charts, figures, and tables to support the problem description. Hence, model it using MicroCYCLONE notations. Estimate task duration and number of resources as per the above description. Simulate the problem using EzStrobe and show all the results and reports using the software. Submit the answer online in one pdf file using the Black Board link before noon on October 07, 2024. Your model should not have less than 15 nodes. Please comment on the developed model and how you can use it in reality. The answer should include:
- a. Problem description and supported images, charts, figures, and tables.
 - b. EZStrobe model with all the required reports.
 - c. Your analysis of the problem and the benefits of your simulation model.

Good Luck.
Prof. Tarek Fayez