Projects for Fall 2019

Project #1
Sponsoring Company: Chai Wan Laundry, Hong Kong Hospital Authority
Topic: Benchmarking Capacity Utilization and Service Performance

Background and Objective:
Public healthcare services has seasonal fluctuation. To maintain adequate supply of staff clothing and patient linen is one of the essential requirements in delivering healthcare service. The proposed project is to review existing standard level provision of linen and analyze linen stock level and patient bed utilization to seek opportunities for improvement.

Project #2
Sponsoring Company: Gap Inc.
Topic: Ocean Shipment Planning

Background and Objective:
Gap Inc's global logistics team supports finished good transportation from vendor handover point at origin until shipment arrived at Gap destination markets globally. They have 80% of sourcing unit shipped via Ocean freight and have direct contract with the top ocean carrier like Maersk, One, APL, CMA, Hyundai, OOCL, Yang Ming, MSC. They have annual contract negotiations to determinate the carrier selection and allocation based on the cost, transit time, destination terminal choice and past performance which shaped the shipping pattern in the coming contract year. They would like to create a dynamic planning tool with the consideration of cost, performance, actual performance, network constrain and carrier capacity constrain. The project is to identify the optimal but flexible model and logic as the pilot which can eventually incorporate in their planning system.

Project #3
Create your own project idea, subject to course instructor’s approval.