



Project I Description

Project Name: Re-designing patient admission processes at UMC Rizk Hospital

Sponsor: UMC Rizk Hospital

Project Overview

The purpose of this project is to redesign patients' admission processes at UMC Rizk hospital. The final design should automate the process as much as possible and minimize the time spent by the patient in the system to move to his/her hospital bed. Students are asked to

- model the existing process using analytical tools or simulation
- investigate ways to automate the process and minimize waste and paperwork by applying lean concepts
- provide a system design that optimizes

Project Areas

- optimization
- lean manufacturing

Project Deliverables

- Model of existing operations (analytical or simulation model)
- Survey of best practices and new technology available for streamlining the process of patient admission
- Investigated system design solutions and justification for the proposed one
- A report should emphasize the economical, and sustainability aspects and highlight the risks associated with implementation of the proposed design.

Team Size and Majors needed

INE 3 students

Advisors: Drs. P Zouein and Marc Haddad

Students:

Team 1
Marwan Otrok
Dayan Bouhairy
Ahmad Mohtadi

Team 2
Anthony Gedeon
Scarlet rahy
Melanie el kaddissi

Team 3
Milo Abou Jaoude
Joseph Salem
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