

Physical demand and psychological analysis

PROJECT DESCRIPTION

Physical demand analysis is a systematic method to document the physical, cognitive, and environmental demands of essential tasks. Other factors, such as stress, depression and anxiety, also effect the work performance and may cause near miss or injuries on the workspace. These conditions, in turn, delay the production line. Thus, the evaluation of physical demand and psychological analysis is the first step in analyzing the existing operational workspace. The objective of this project is to develop a systematic physical demand and psychological analysis and implement it in a local manufacturing facility. It will allow the industry to be proactive rather than reactive-taking preventive measures rather than taking action only after a worker suffers an injury that requires them to take time off work. It will also secure the health and safety and also improve the productivity of the worker.

FACULTY-DEPARTMENT

Engineering - Mechanical Engineering

OPEN TO STUDENTS FROM THE FOLLOWING INSTITUTIONS

Chinese universities participating in the [*Double First-Class Initiative*](#).

DESIRED FIELD OF STUDENT STUDY

Civil engineering, biomechanical engineering, and/or computing science

INTERNSHIP LOCATION

Edmonton Campus

NUMBER OF INTERNSHIP POSITIONS

2

INTERNSHIP DATES

Start: July 2, 2019

End: October 2, 2019

ARE THE DATES FLEXIBLE?

Yes, I am flexible regarding the internship dates. Selected students can contact me to request a date change.