

2021 Final Year Project Definition Form

Project Title:

Identification of patterns and relationships in projects undertaken by students during vacation work

Company details:

University of Pretoria, department of Industrial and Systems Engineering

Company background:

Not-Applicable

Project description:

(Please stipulate the problem statement or opportunity for improvement; and the project scope)

Industry mentorship:

Student will be using some principles and theories of social network analysis to analyse some data sets from BPY (Vacation work) submissions to identify some defined patterns and relationships within some data fields and then presenting the results using some visualisation techniques. Relationships between modules, techniques, year of study etc would be used to filter data and deduce patterns from student responses so that the department may have meaningful insight about how the modules have helped with Industry work and how we may structure the modules better. The preferred student would be skilled in data analysis and visualisation program like R or be willing to learn to use such packages as may be necessary.

Industry mentor contact details:

Adetunji, Olufemi, Prof

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Project topic application process:

Interested student should email be not later than 28th February so that decision can be made by the first week of March.

Any other relevant information:

(Please include any other relevant information)