Project 3:
Predictive tool for software team performance

Description:
Capstone unit provides students with an opportunity to work in a team environment to develop software for a client. This enables the student to demonstrate that they have the ability to work effectively and collaboratively within a project team, and that they can address challenges in the management and coordination aspects of a project. This also develops their skills in time management and coordination within a team framework. However, there exists a possibility of students having an opportunistic behaviour. They may be avoiding or neglecting a duty or responsibility knowing or unknowingly. Despite having mechanisms, such as personal log, self-assessment or peer reviews in place, there are students who chose not to be engaging with the team. This may be attributed to fact that formative assessment are forgotten or not taken seriously by the students

This project aims to
- identify and understand the team work life cycle
- define a text rubric for each phase of the team work life cycle
- process by analysing and clustering the work logs
- map the processed work logs to the text rubric
- report on the mapping result for expert evaluation

This project is well suited to students with an interest in pursuing further work as part of an honours, or PhD in the area of data analytics.

Supervisor:
Caslon Chua

Requirements:
PHP and databases, knowledge in data analysis algorithms is an advantage