

Software Design Project: We Thought This Was CAM

Meeting Minutes

26 February, 2020

Opening

The first meeting of the team We Thought This Was CAM with their client, Dr. Ritesh Ajoodha, was called to order at 11:35 AM on 26 February, 2020 in the Math Science Building of Wits University.

Present (in alphabetical order)

Anthony Kubeka

Nicholas Muir

Simon Rosen

Ahmad Soni

Imraan Sultan

Absent

Nasiem Ayob

Business from the Previous Meeting

N/A

New Business

Dr. Ajoodha presented several options for the implementation of the project, all of which with the goal of predicting the success of a university student, as well as marking out whether a student is academically at-risk.

The team debated between looking at the problem in terms of discrete or continuous variables. A continuous model was chosen to describe a student's potential academic risk.

The team decided to model the problem as a static problem, rather than as a dynamic problem (trajectory).

The team decided to utilise a Bayesian continuous model, in order to train a machine learning algorithm to predict the academic performance of a student, based on prior marks of that student and marks of other students (training data).

Dr. Ajoodha made syntactic student data available to the team to begin working with, and explained the layout and contents of the data.

Dr. Ajoodha specified the necessity of a likelihood function.

The client proposed the team build the final to be used by university staff.

The team decided to implement login functionality in the product, such that only university staff may access it.

Adjournment

The meeting was adjourned at 12:00 PM by Dr. Ajoodha.

Minutes submitted by: Anthony Kubeka