# Title

Development of a system that performs automated trades to support price uniformity across different cryptocurrency exchanges.

# Objectives

* Monitor crypto prices across 5 most popular exchanges
* Identify arbitrage opportunities
* Perform risk assessment of the opportunity
* Perform Reward assessment
* Decide if risk to reward ratio is acceptable and perform trades
* Evaluate the results of the trades

# Assessment of how your project will meet the FYP LOs

# Key similar projects or research (and where you found it)

* <https://online.hbs.edu/blog/post/what-is-arbitrage>
* https://economictimes.indiatimes.com/definition/Arbitrage
* <https://www.cryptohopper.com/>
* https://pixelplex.io/
* <https://www.pionex.com/>
* <https://bitsgap.com/>
* https://www.trality.com/

# Suggested approach/es to solve the problem (eg. computational solutions and/or software engineering process)

* Deterministic Arbitrage
* Triangular Arbitrage
* Decentralized Arbitrage
* Statistical Arbitrage

# What will you find challenging, what are the risks, and what you like about the proposed FYP idea

* Slippage
* price movement
* transfer fees