# Queen’s University of Belfast

# Computer Science

# Minute of Project Supervision Meeting

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| **Student Name:** | **40126401** | | |
| **Project Module Code:** | **CSC4006** | | |
| **Project Supervisor:** | **Blesson Varghese** | | |
| **Meeting Number:** | **9** | **Date of Meeting:** | 11/12/2018 |

**Progress since last meeting, and decisions arrived at during meeting:**

I have researched into using aws CLI to remotely access and run scripts on my AWS instances. Regarding YOLO, the full deployment size is 278MB with 237MB being from the weights used to detect images. I will attempt to split this from the application for the edge deployment and see if it’s possible to use these weights on the cloud and pass data to the edge.

Yolo fully integrated, basic pipelines for cloud and edge set up.

Command line tool created – will continue exploring docker for container-based deployment.

Researched papers regarding IBM shadow puppets, GooglePerfKit, edge bench and YOLO.

Formulated basis for new research scope.

Set up a plethora of simple benchmarks for the deployment platform.

**Action Points:**

Formulate the research problem further and alter the preliminary research article to be more up to date with the change in project focus. Generate metrics on YOLO's cloud and edge deployment (using JMeter initially via the cli). Further research relevant papers and look into potential use cases such as voice filtering, recognition etc.

Begin overleaf text document of research paper, and research ways to ensure open source code base.

Research further applications, explore using docker and set up pipelines

**Date of next meeting:**

7/1/2019

**Agreed minute should be signed by the student and initialled by the supervisor.**

**Student's Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Supervisor's Initials: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Supervisor's Comments:**