

## MEETING MINUTES

### Project: *A Map Management Platform for Self-Driving Cars*

**Date of Meeting:** 29/03/2021

**Location:** AIML 1.30 Meeting Room

**Chair:** Aryaman Dhawan

**Time of Meeting:** 10 am - 11 am

**Minutes Prepared By:** Aryaman Dhawan

	<b>1. Purpose of Meeting</b>
	The fourth meeting for the Master of Computing & Innovation Project was held to present the progress produced by the team till week 4 and discuss the backend and database architecture. Followed by discussions on adding more functionality and requirement specification by the client for information extraction from data collected.
	<b>2. Attendance at Meeting</b>
	Client: Anh-Dzung Doan, Tat Jun Chi
	Project team: Aryaman Dhawan, Jonhatan Cotes Calderon, Huu Thanh Nguyen, Nhu Quynh Hoa
	<b>3. Meeting Notes, Decisions, Issues</b>
	Discussed the Database architecture and suggested modifications as per client requirements.
	Planned for future data storage options and estimates on how much data needs to be collected and stored.
	New functionality requirement 1: Filtering of images taken in same direction in sequence and images tables along with sequence size information.
	Extensive discussions on Algorithm and approach to better localize images and extract images around the coordinates from the database. Proposed solutions: - <ul style="list-style-type: none"><li>• Make a function to collect images nearby to a coordinate</li><li>• Collect images looking in same direction from this collection.</li><li>• Apply KNN to cluster images with same view direction and location.</li></ul>
	Explored a new problem of dealing with noise in direction data collected from Mapillary for images.
	New functionality requirement 2: Option for user to set the radius/size of area to collect images from using the proposed algorithm.

### 4. Action Items

Action	Assigned to	Due Date	Status
Reviewing the meeting minutes	Nhu Quynh Hoa	29/03/2021	Pending
Uploading the finalized meeting minutes to GitHub	Aryaman Dhawan	29/03/2021	Pending
Sending the finalized meeting minutes to all attendants	Aryaman Dhawan	29/03/2021	Pending
Develop Algorithm for clustering and direction definition of images.	Team 03	04/04/2021	In Progress

### 5. Next Meeting

Date:	06/04/2021	Time:	10:00 am	Location:	AIML 1.30 Meeting Room
-------	------------	-------	----------	-----------	------------------------