

MCI Project Weekly Time Sheet

Team 3 Student ID a1792259 Week starting: 5/04/2021

Day	Date	Time In	Time Out	Total hours	Task	How does it fit into project plan?	Outcome/Next action
Monday	05-Apr-21	10:00 AM	11:00 AM	1,00	Fifth Client's meeting	Present current teams progress and get feedback from the client	*Update the Class diagram with the client's feedback *Develop the algorithm to get the cluster of nearest images *Implement the feature to show the image when clicking on a point in the map
Monday	05-Apr-21	11:00 AM	12:00 PM	1,00	Internal Meeting	Discuss client's meeting and divide the tasks	Thanh will update the frontend to show the images. Ruby will review the class diagram and update it accordingly. Jonhatan and Aryaman will research about the algorithm
Monday	05-Apr-21	12:00 PM	5:00 PM	5,00	Research about Nearest neighbor Algorithms (Kmeans, DBSCAN, Trees)	To understand what is the best approach for our project	First will try to implement the Kmeans clustering using our data
Tuesday	06-Apr-21	10:00 AM	5:00 PM	7,00	Implement Kmeans clustering algorithm	To cluster our data into smaller sample, to avoid unnecessary waiting times when selecting a point in the map	The current implementation of Kmeans is not working as expected. Tried to use the Elbow curve to calculate the proper "K" of clusters but it takes a while to generate it. I will try to implement the KDTree instead
Wednesday	07-Apr-21	10:00 AM	5:00 PM	7,00	Implement KDTree considering long and lat	Querying a kdtree will reduce the waiting time even further	Present the current implementation of the KD Trees Algorithm to the team
Thursday	08-Apr-21	10:00 PM	11:00 PM	1,00	Internal Meeting	Discuss team's progress	The team will meet with the client to present the KD Trees
Friday	09-Apr-21	11:00 AM	12:00 PM	1,00	Present the KDTree implementation to client	Discuss the current implementation of the nearest neighbors	The nearest neighbor algorithm should also consider the Direction and a restriction of 100 meters
Friday	09-Apr-21	12:00 PM	3:00 PM	3,00	Implement first approach KDTree implementation considering direction	Incorporate changes discussed with the client	The implementation is not done. Tried to add the direction as a dimension but the results are not as expected since it gives a tight restriction to the neighbors.
Saturday	10-Apr-21	10:00 PM	11:00 PM	1,00	Internal Meeting	Discuss team's progress and agree on the topics for the agenda	In the next meeting the client's team will: *Present new UX on frontend with image display for every coordinate. *Discuss the approach of KDTree algorithm considering direction. *Review current KDTree implementation. *Present updated Architecture Diagram *Review and discuss milestone 1 report
Total				27			