THE PRESENTATION PLAN

Group ID: HA 2

Name of the team contact: Adil Dinmahamad Otha

Area of Interest: Big Data

Focus: Data Analytics in context of Internet of Things.

Subject of the Presentation: Location Analytics as a Service for Hyper local Businesses.

Section Headings:

1. The Purpose
   Introductory problem description and solution provided by the system in laymen terms to target a wider audience.
   Presented by: Adil Dinmahamad Otha

2. The Problem
   Identifies the problems faced by hyper-local businesses dealing with geospatial data to provide optimal services with a better user experience.
   Presented by: Prashit Prakashbhai Patel

3. The Product/Solution
   Product solution implementation details, the research techniques for performance, and the best technologies to solve the problem.
   Presented by: Shivam Barot

4. Product Design and Future Scope
   Idealistic mock representation of the product and the details of extensibility of the product across different domains.
   Presented by: Prerak Choksi

5. Market Sizing and What sets us apart:
   The market study on demand for the product and potential customers, followed by features that set us apart from existing products. Finally, end the presentation with closing thoughts and set the stage for Q/A.
   Presented by: Adesh Nalpet Adimurthy

References:

[1] J. Ke *et al*, "Hexagon-Based Convolutional Neural Network for Supply-Demand Forecasting of Ride-Sourcing Services," *IEEE Transactions on Intelligent Transportation Systems*, vol. 20, no. 11, pp. 4160-4173, Nov. 2019, DOI: 10.1109/TITS.2018.2882861.

[2] V. Uher *et al*, "Hierarchical Hexagonal Clustering and Indexing," *Symmetry,* vol. 11, *(6),* pp. 731, 2019. Available: https://ezproxy.library.dal.ca/login?url=https://www.proquest.com/scholarly-journals/hierarchical-hexagonal-clustering-indexing/docview/2550264175/se-2. DOI: http://dx.doi.org/10.3390/sym11060731.

[3] J. Zhou *et al*, "Lattice Quad-Tree Indexing Algorithm for a Hexagonal Discrete Global Grid System," *ISPRS International Journal of Geo-Information,* vol. 9, *(2),* pp. 83, 2020. Available: https://ezproxy.library.dal.ca/login?url=https://www.proquest.com/scholarly-journals/lattice-quad-tree-indexing-algorithm-hexagonal/docview/2548589139/se-2. DOI: http://dx.doi.org/10.3390/ijgi9020083.

[4] Y. Ma, G. Li, X. Yao, Q. Cao, L. Zhao, S. Wang, and L. Zhang, “A Precision Evaluation Index System for Remote Sensing Data Sampling Based on Hexagonal Discrete Grids,” *ISPRS International Journal of Geo-Information*, vol. 10, no. 3, p. 194, Mar. 2021.