



Smart Logistics using Apache Spark Environment

Zeroth Review – BATCH 8

Guide : Dr. N Gopika Rani

Team:

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Approval from Guide

Reg Project Work 1 Inbox x



18Z360 - SWETHA M

Wed, Aug 4, 10:56 PM (2 days ago)

Respected ma'am, We have decided to work on the logistics data of brands like Amazon, FedEx and optimise routes. There is scope for data analysis as well as the



Dr Gopika Rani N - PSGCT

to me ▾

Thu, Aug 5, 5:35 AM (1 day ago)



Yes Approved.

Regards

Gopika



Problem Statement

- **PROBLEM DOMAIN: Data Analysis and Optimization**
- Obtain the logistics data of famous brands like Amazon, FedEx, BlueDart etc. and apply big data analytics techniques.
- After understanding the factors affecting logistics, optimise the delivery route and maximise the deliveries.
- Try and leverage the benefits of distributed data processing using Spark Environment.

References

- *Innovation Mode and Optimization Strategy of B2C E-Commerce Logistics Distribution under Big Data* - Yingyan Zhao 1 , Yihong Zhou 2 and Wu Deng 3,* ; Published: 21 April 2020
- *Big Data in Logistics* - Matea Lekić¹, Kristijan Rogić¹, Adrienn Boldizsár², Máté Zöldy², Ádám Török^{2*}; Published in 2019
- *A Vehicle Routing Optimization Problem for Cold Chain Logistics Considering Customer Satisfaction and Carbon Emissions* - Gaoyuan Qin, Fengming Tao * and Lixia L; Published in 2019