

# Smart Logistics using Apache Spark Environment

Zeroth Review - BATCH 8

Guide : Dr. N Gopika Rani

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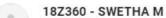
## Approval from Guide

Reg Project Work 1 Inbox x













#### Dr Gopika Rani N - PSGCT

to me -

Yes Approved.

Regards Gopika

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## **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 Török2\*; 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