

## Abstract:

*This project focuses on optimizing the last-mile delivery operations for FedEx, a leading logistics company. The objective is to develop and integrate advanced routing algorithms into the delivery system to reduce delivery time and improve on-time deliveries. By collaborating with cross-functional teams and implementing real-time tracking solutions, we aim to enhance customer satisfaction and decrease customer inquiries. Additionally, data analysis and predictive modelling techniques will be utilized to optimize delivery routes, reduce fuel consumption, and achieve cost savings. The project outcomes include a significant reduction in delivery time, improved on-time deliveries, enhanced operational efficiency, and cost reduction.*