

## 2021 Final Year Route Optimization

**Project Title:**

Develop an efficient solution for Optimization of SAPO Routes

**Company details:**

South African Post Office SOC Ltd, 20 Jeff Masemola Street, Pretoria, 0002

**Company background:**

The company is a state owned company that is mandated to deliver money, merchandise and messages for natural and juristic citizens of the Republic of South Africa. Its scope is international.

**Project description:**

Develop an efficient solution on appropriate open source platform to minimise distance travelled, transportation cost and time taken to travel between SAPO points of departure to destinations. This solution focuses on the routes used by SAPO Operations during collection of goods from customers, transportation to processing areas, and dispatching to receiving customers. The result must be a solution that provides a routing network that is the most efficient in cost, time and distance.

Tasks:

1. Define project
2. Develop a project proposal
3. Develop a project plan
4. Route Optimization model
5. Choose an open source technology option
6. Develop the preferred option
7. Final report

**Industry mentorship:****Industry mentor contact details:**

Freddy Bokaba

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**Project topic application process:**

*Submit your academic record via the stipulated e-mail address before 26 February 17:00.*

*If your application is successful, we will provide feedback (by e-mail) to you before 5 March 17:00.*

*When you receive no feedback by 5 March 17:00, your application is unfortunately unsuccessful.*

**Any other relevant information:**

Submit your academic record on your request to participate in the project.