

CLOSING REPORT
2025-Spring Route Optimization with Marjetas Oy
01.05.2025

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CLOSING REPORT
ROUTE OPTIMIZATION WITH MARJETAS

1. Project descriptions and outputs

2. General estimate

Project is estimated to complete in a semester with 4 resources.

3. Work amounts

Work amounts are listed in a separate Excel spreadsheet at the group's Teams channel.

4. Personnel

- Vladimir Vasilev - Project manager and responsible for documentation.
- Hezekiah Olarinde - Code development and alternative path finding.
- Waseem Imran - API requests
- Ali Özeydin - Code development, UI creation and tests

5. Experiences in tools and methods used

We had a chance to implement what we have studied so far in our curriculum. Additionally map related libraries like Open Street Map and Folium have been studied further. Implementing new and early studied topics in a real-life project is an exceptional experience that we gain during the project process.

6. Experiences in interest groups

Each project member focuses on own interested area so, gives opportunity to deepen the knowledge and skills more on that certain field.

7. Reusable solutions

The solution that is produced is solving the route optimization problem with two features: traffic and friction. More interested features can be added to the solution approach. Focused city was Jyväskylä, similarly the area can be extended to any other interested areas. Also can be extended to country wise.

8. Quality objective realisations

Project has reached the goal by synthetic data, it can be tested with real time more featured data to evaluate the quality of the solution.

9. Summary of the experiences

Sharing the responsibilities that suit everyone's skill, so each team member feels being part of the team. Producing alternative approaches when first approach does not have sufficient data. Implementing a solution to a real-life problem within a team where one of the project partners is from the industry. This is a highly valuable experience that one can gain during the study life.

10. Suggestions of project study development

Having alternative project assignments/topics would be a good idea like plan B. So, the teams can have alternative options or if any project partner falls back to the main plan.