

# 2021 Final Year Project Definition Form

**Project Title:**

Improving the efficacy of a reporting department of a large logistics company (Project 4)

**Company details:**

DSV Global Transport and Logistics: <https://www.dsv.com/>

DSV Global Transport and Logistics South Africa: <https://www.za.dsv.com/>

DSV Global Transport and Logistics South Africa - Air & Sea Offices (where mentor is [currently based near OR Tambo Airport](#) moving to [DSV Office park \(Centurion\)](#) in April 2021, however remote meetings are encouraged during COVID epidemic).

**Company background:**

DSV Global Transport and Logistics is in the Top 5 companies globally providing 3<sup>rd</sup> Party logistics services. DSV has more than 40 000 employees across 80 countries with their head office being located in Denmark. Locally in South Africa DSV have more than 4000 employees and 30 engineers working for across 5 different divisions.

**Project description:**

Since 2019 a certain regional division in a large logistics company has been monitoring 2500+ report requests across more than 5 categories. The reporting department in the day and age of implementing off-line database possibilities would like to explore opportunities for improvement to alleviate reporting burdens in the company. The aim of the project will be to investigate and summarise opportunities of improvement for the reporting department.

The project scope will entail:

- Literature review of:
  - o Business domain
  - o Reporting as a critical business function, and different methods there of.
- Review an possible further consolidation of current Report request databse (2500+ x 15 fields):
  - o Basic Request Info
  - o Requestor
  - o Category
  - o Report fields
  - o Client
  - o Supporting Info
  - o Report Frequency
- Review of off-line reporting capabilities.
- Data cleaning and linking of organisational hierarchies.

The end result of literature and reviews should be a demonstration of some insightful 'outlier' anomalies that point to opportunities for improvement. Aptitude in Advanced analytics software(such as R, Python or/and PowerBI) required to analyse and present data to business in a meaningful way.

**Industry mentorship:**

Industrial / Snr Logistics Engineer

**Industry mentor contact details:**

Ninett Hesse, Mrs

[Ninett.Hesse@za.dsv.com](mailto:Ninett.Hesse@za.dsv.com)

074-454-9999

[but email communication is preferred]

**Project topic application process:**

All applicants are to email to [Ninett.Hesse@za.dsv.com](mailto:Ninett.Hesse@za.dsv.com) by close of business day 5<sup>th</sup> of February 2021: a short CV, their academic transcripts as well as a cover letter indicating why they would be a good candidate for the particular project.

Applicants will be notified about project allocations on the 9<sup>th</sup> of February 2021.

**Any other relevant information:**

Students applying for DSV Project 4 and 5 must be able and willing to demonstrate aptitude to onboard Advanced analytics software (such as R, Python or/and PowerBI) to analyse and present data to business in a meaningful way.

- The Student must address confidential information and ensure that deliverables do not contain any confidential, sensitive or proprietary information of the company. The following is potential actions must be applied:
  - o Making use of a fictitious name to represent the company, for example, referring to Company ABC.
  - o Withholding, excluding or adjusting important confidential or sensitive data, such as design drawings or financial information.
  - o Coding sensitive data, for example, by adding or subtracting a constant from all values.
  - o Requesting the Department not to publish the deliverables on UPSPACE.