

2021 Final Year Project Definition Form

Project Title:

An improved taxonomy of Robotics Process Automation projects (Project 2)

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 3rd 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:

Robotics Process Automation (RPA) is a project domain that has dealt with 80+ requests and implemented 30+ projects over the last 2 years within this in a local region of a large logistics company. A basic low-code platform has been built to manage and knowledge share RPA projects between different countries of the large logistics company. However a taxonomy of RPA needs to be refined and summarised in a way that aids knowledge sharing, identifying gaps and suggesting ways forward in the RPA project domain. The aim of the project will be to develop an improved digitally summary taxonomy of RPA projects.

The project scope will entail:

- Literature review of Robotics Process Automation (RPA) as a project domain.
- Review an possible further consolidation of current RPA project database:
 - o Basic Project Info
 - o Inputs (External website info, Transport Management System info, CSV Excel Files)
 - o Outputs (CSV Excel Files etc.)
 - o Interactions (Via mail, via EDI, via database queries)
 - o Business Case (Save 3 hours every week etc.)
 - o Stakeholders (Operator, Imports Department Manager etc.)

The end result of literature and project reviews should be a demonstration of a understanding and the initial phases of grouping factors to be considered in the taxonomy development.

- Develop, propose, and test a proof of concept refreshed look at a taxonomy of current RPA projects to a reasonable company employee audience.

Onboarding onto our Low-Code App development software which will enable the student to design for and recommend taxonomy changes to the existing RPA project platform.

Industry mentorship:

Industrial / Snr Logistics Engineer

**Industry mentor
contact details:**

Ninett Hesse, Mrs

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 by close of business day 5th 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 9th of February 2021.

Any other relevant information:

Students applying for DSV Project 1,2 and 3 must be willing and show aptitude to onboard onto our Low-Code App development software which will enable the student to design a conditional smart question and answer decision matrix tool. Allow a minimum of 20 hours for software development skill onboarding. Note previous students have successfully onboarded to our Low-Code App development software before, and we do have super users to assist, however it will be helpful if student has intuitive interest and aptitude for coding.

- 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.