

2021 Final Year Project Definition Form

Project Title:

4IR and Traditional Project domain decision support in divisions of a large logistics company (Project 1)

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:

There are various project domains that can be advocated to employees when they recommend certain problems or opportunities for improvement in the company. Some of these domains include 4IR technologies that are new to many employees. Both 4IR technology and traditional improvement project domain knowledge sits within a broad body that is not easily accessible to every employee in this particularly large logistics company.

The aim of the project is to democratise decision support of project domains to more company employees.

The project scope will entail:

- Literature review of current company project domains: Corrective Action Preventative Action (CAPA) -, Continuous Improvement (CIP) -, Lean- , Change Management -, Digitalisation -, Robotics Process Automation(RPA) -, Internal Integration (EDI , API)- , Advance Analytics.

The result of literature review should be a clear comparison table or/and visualisation summary, as well as decision support factors that can be used for hard rules in the coding of the decision support framework.

- Researching projects within the company and what project domains are prevalent with success and if not, why not.

- Develop, propose, and test a proof of concept conditional digital decision support framework tool to a reasonable company employee audience.

Onboarding onto our Low-Code App development software which will enable the student to design a conditional smart question and answer decision project domain methodology matrix tool.

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.