

Master Thesis - “Systematic Literature Review on AI in Sourcing and Procurement including developing an AI Model to Estimate Supplier Performance”

(30 credits/20 weeks – 2 students)

About us

GKN Aerospace is the world’s leading multi-technology tier 1 aerospace supplier. With 55 manufacturing locations in 15 countries, we serve over 90% of the world’s aircraft and engine manufacturers. We design and manufacture innovative smart aerospace systems and components. Our technologies are used in aircraft ranging from the most used civil aircraft to the world’s advanced 5th generation fighter aircraft and the Ariane orbital rockets used by ESA.

Project Background

There's a growing interest in understanding the wider implications and applications of AI in sourcing and procurement. This research aims to increase our understanding of AI from an Aerospace and GKN Aerospace sourcing and procurement perspective. The aim with the project is also to design and develop an AI model using real supplier performance data.

Objectives

1. To conduct a systematic literature review detailing how AI is applied in the sourcing and procurement within Aerospace.
2. To design, develop, and evaluate an AI model that predicts and estimates future supplier performance using historical data.

Assignment Description

Description of the assignment content.

1. A comprehensive literature review report that provides insights into the application of AI in sourcing and procurement.
2. A validated AI model that can predict supplier performance with significant accuracy.
3. Actionable recommendations based on both the developed model and the literature review for businesses and future research.

Qualifications

- Master student(s) in Engineering
- Be familiar with sourcing and procurement
- Initial experience of AI applications
- The student(s) should be capable of taking initiatives on their own
- GKN would prefer if the student(s) can perform most of the work on site at the ETQ Headquarters in Trollhättan, Sweden

Apply by

Send your resume and cover letter to Anders Asplund, anders.asplund@gknaerospace.com

Last date for application: 2023-11-15. Interviews will be held continuously and the position could be filled prior to the last application date.